Audubon Field Notes

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56th CHRISTMAS BIRD COUNT

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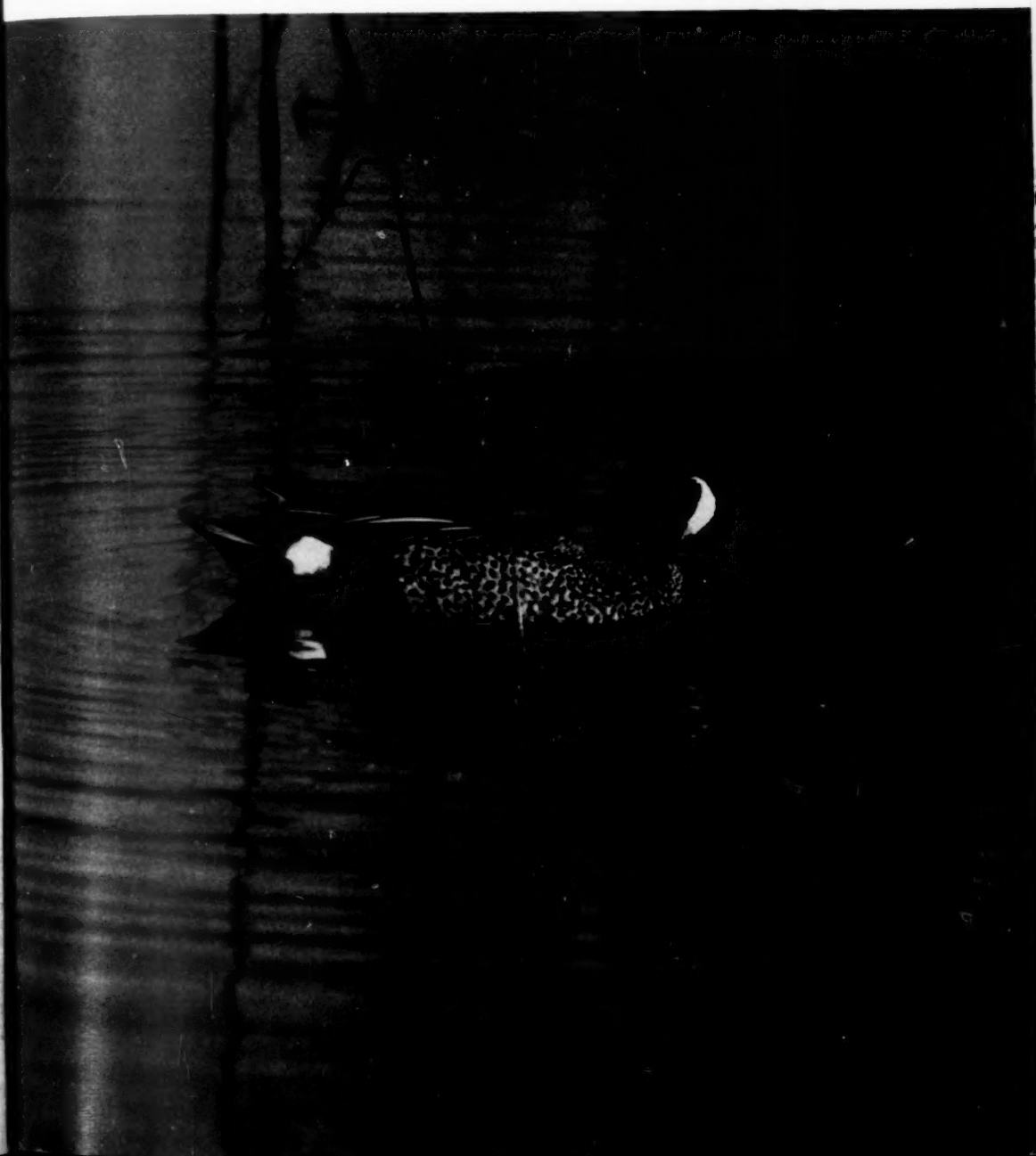

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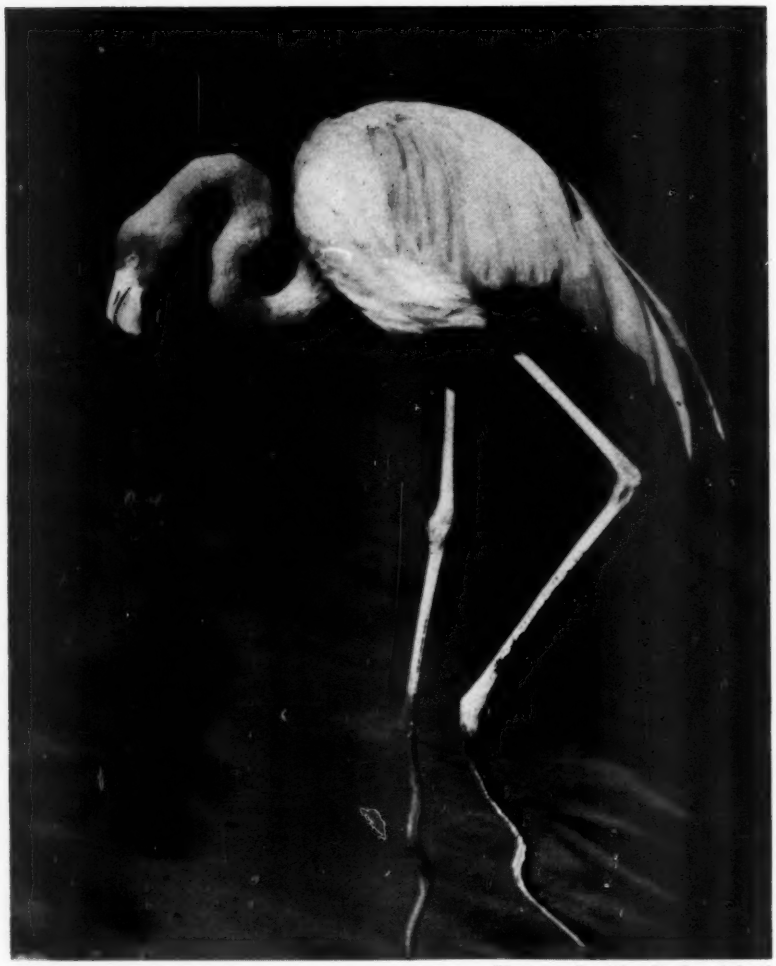

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Audubon FIELD NOTES

Vol. 10, No. 2

PUBLISHED BY THE NATIONAL AUDUBON SOCIETY

In Collaboration With the United States Fish and Wildlife Service

A bimonthly magazine devoted to reporting the distribution, migration and abundance of birds

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Cover Photograph of Blue-winged Teal by Allan D. Cruickshank

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Fifty-sixth Christmas Bird Count

Edited by Allan D. Cruickshank

FROM DECEMBER 24 THROUGH JANUARY 2 well over 6500 bird watchers combed woods and plains, marshes and mountains, beaches and oceans to list birds for the Fifty-sixth Christmas Bird Count. Their determination is exemplified by the fact that they traveled by foot, snowshoe, ski, sleigh, car, jeep, horse, bicycle, canoe, commercial fishing boat, motor boat, air boat, marsh buggy, airplane, helicopter, and even an electric car designed to carry golfers around a golf course.

Nine counts in 1954 listed 150 or more species. This year only 4 were able to do this. The severe cold weather, which swept the eastern states in December, was chiefly responsible. Reports from New England called it "the coldest winter in Massachusetts in 38 years" and "the coldest December in Rhode Island since 1910." Compilers in Nebraska and the Dakotas reported that the 60 days preceding the count were below normal in temperature. Bitter cold was not the only disturbing factor. Reports from Georgia and northern Florida complained about the 2-year drought with "the water-table the lowest in historic times" and sections of Texas, Missouri and Arkansas called it the driest year in a half century. In contrast, most of the counts from northern California could not be taken because of "the most disastrous storms and floods ever seen in the history of this region. Much of the area that usually is dry or only marshy was under water 10 to 20 feet deep."

This year, Cocoa, Fla. broke all previous Christmas Count records for the United States by listing 184 species. This was not mere chance. The leaders of that area long had been aware of the great variety of habitats present and the large quantity of birds wintering there. The dense palm hammocks, jungles and extensive marshes require slow methodical combing, but local manpower was too small for such thoroughness. The record was achieved by a combination of careful planning and the help of many visiting, nationally-known field experts. Of the 184 species recorded, 162 were seen by 2 or more parties. As usual, some species seen a few days before and after the count were missed. In fact, 9 species not listed on the local count were seen within two weeks of that date! Even with 42 energetic observers, certain areas in this complex, diversified, water-studded region were not explored. An analysis of the results indicates that with equivalent manpower and reasonably good weather Cocoa never should get below 165 species, that with more manpower and ideal weather conditions a list of 190 or more species is not impossible.

The following counts listed 140 or more species:

Cocoa, Fla.	184
San Diego, Calif.	168
Laguna Atascosa National Wildlife Refuge, Texas	164
Sabine National Wildlife Refuge, La.	153
Los Angeles, Calif.	149
Cape May, N. J.	144
Ocean City, Md.	142
St. Marks, Fla.	142
Wilmington, N. C.	141
Oakland, Calif.	140

The well-organized group from Hamilton again led all Canadian counts with 72 species. Newport County, R. I.—Westport, Mass. gained first place in New England with 112. In the densely populated, thoroughly-worked New York City Region, Southern Nassau County, Long Island, edged out Long Branch, N. J. by one species. Around the Great Lakes and surrounding North Central Region counts from Buckeye Lake, Ohio, Davenport, Iowa, and Madison, Wis. represent the work of thorough planning. Other outstanding reports from the vast interior of the eastern half of the country come from Shreveport, La., Louisville, Ky., Birmingham, Ala., Reelfoot Lake and Memphis, Tenn., Greensboro, N. C. and Huntington, W. Va. In the interior of the western half of the country counts from the Santa Catalina Mountains, Ariz., Salt Lake City, Utah and Jefferson County, Colo. also show the results of methodical hard-working groups. Seattle, Wash. topped all northwestern states with 101 species.

The editor realizes that many counts not singled out were well-organized and listed a remarkable number of birds for their respective areas. It is natural that most high counts should occur along the ocean, gulf or other large bodies of water. It is almost certain, that given sufficient manpower, select spots in the

Carolinas, Georgia, Florida, Louisiana, Texas and California always will run up the highest lists.

The top honors do not necessarily go to the groups with the highest counts. Some might vote for Huckleberry Coman, that fine setter dog, who was largely responsible for locating the European Woodcock at Cape May, N. J. Many would want special praise for the count from Grand Forks, S. Dak., where two observers, working energetically all day, could find but 7 species. Great admiration should go to Mr. H. B. McConnell of Cadiz, Ohio, who at 89 years, participated in his 55th Christmas Bird Count. Attention should be called to the determined group from Sacramento, Calif. which, in spite of adverse weather coupled with disastrous floods, put 49 observers in the field. Perhaps most Audubon members would divide top honors between the Onondaga Audubon Society of Syracuse, N. Y. and the group from Great Falls, Mont. The former reported "a Common Loon stranded on the ice was air-shipped to Tennessee for release" and the latter, "a Green-winged Teal frozen to the ice was taken home, fed, warmed and then liberated."

Volumes of statistics could be based on the current Christmas Bird Count. The editor wishes to mention a few interesting observations. Because of severe cold in New England and the Middle Atlantic States reports of half-hardy, wintering birds were far below the reports of any year in the preceding decade. Yet, there are well-documented reports of Barn Swallows at Cape May, N. J.; a Western Kingbird in Brooklyn, N. Y.; a Scarlet Tanager at Lewisburg, Pa. In spite of the cold, impressive flocks of Red-backed Sandpipers, Sanderlings and a scattering of Ruddy Turnstones and Black-bellied Plovers remained along the coast as far north as New England. In Maryland the abrupt decrease in Eastern Phoebes, Long-billed Marsh Wrens, Sharp-tailed Sparrows and rails, as well as the complete absence of Boat-tailed Grackles for the first time in 6 years, was attributed to the cold.

A light flight of white-winged gulls sent Iceland and Glaucous Gulls to the Middle Atlantic States. The great flight of redpolls to southern Canada barely reached New England, but pushed vagrants as far south as Chincoteague, Va. and Louisville, Ky. Large flocks invaded northern states farther to the west. Wisconsin reported the best redpoll flight in 15 years, some compilers mentioning flocks of over 2000 birds. Reports stretched across Ohio, Iowa, Montana, Wyoming and west to Spokane, Wash. With the extensive flight of Common Redpolls reports of Hoary Redpolls came from Webster Corner, Me. and from Adams, Madison and Wisconsin Dells, Wis. Purple Finches, always a rare find in Florida, were reported from Panacea, Jacksonville and Cocoa. But the most noteworthy report from Florida was that of 13 White-crowned Pigeons on the Key Largo-Plantation Key count.

In the East, the introduced House Finches no longer are confined to the New York City area. Two reports from the Philadelphia region suggest that the species is extending its hold on the Atlantic coast. Six House Sparrows were underlined as unusual at Grand Rapids, Minn. A special and careful census of this introduced species in Brooklyn, N. Y. revealed 11,040 individuals, averaging out to 2 pairs per acre—surprisingly similar to the normal average population for the native birds of our countryside. At Adams, Wis. another special census produced 41 Horned Owls. "Owl routes were laid out for the 3 parties in advance in such a manner that routes were usually at least 2 miles apart. The locations of owls heard were marked on maps, then every possible duplication was later eliminated."

There was a distinct movement of Eared Grebes east of their normal range. The species was seen at 3 points in Louisiana, the surprising total of 16 reported from both Shreveport and the Sabine National Wildlife Refuge. Individuals strayed as far east as Long Branch and Barnegat, N. J., Newport County, R. I., and Cuyahoga Falls, Ohio. Do the reports of Leconte's Sparrows in Mississippi, Tennessee, Alabama and Florida indicate an eastern extension of the bird's range or do they merely indicate that more experienced observers, working more thoroughly, are uncovering the bird's presence? Cattle Egrets in Louisiana and reports of others seen in Texas suggest that this interesting bird is spreading from Florida westward along the Gulf Coast. Two Texas counts report a total of 19 Whooping Cranes. Red Crossbills formed a definite pattern across Iowa, Kansas, Missouri and Oklahoma. Evening Grosbeaks were found as far south as the Santa Catalina Mountains and Phoenix, Ariz. and San Diego, Calif. European Widgeon were not confined to the eastern seaboard this year. Two were seen at Portland, Oreg. and 1 at Crystal Spring Reservoir, Calif.

In spite of widely publicized Christmas Bird Count rules and emphasis on the necessity for all groups to follow these regulations, some counts had to be rejected for not conforming. The large number of reports now submitted annually makes it vital that each group follows basic instructions. If all participants could see some of the reports submitted, few would question the necessity for strict regulations. Counts submitted this year included 4 made during a 1 to 3 hour afternoon stroll around town; 1 by a tourist listing birds seen while speeding along 385 miles of highways in a day; and 4 made at least a week before or after the official count period. One report even listed birds seen in the cages of a zoological park and included such items as lovebirds and the extinct Labrador Duck!

Some reports were so scribbled that 3 people trying to decipher the spelling, the figures, even the names of participants were unable to reach any satisfactory conclusion. Moreover, compilers may follow all rules, be extraordinarily neat and yet give the editor much unnecessary work. One person annually insists on putting a hyphen after each word he prints; one places circles around each number; two join the species name to the number with a long series of dashes. The editor has to remove all such extraneous marks before sending the report to the printer. The editor wishes to emphasize, however, that most com-

pilers understand the problems and submit careful, neat reports, easily legible to the printer.

The Christmas Bird Count is essentially a sport. The National Audubon Society carries on the project chiefly because it has proved to be one way of stimulating greater interest in birds. But, since the mass of data in the counts is potentially useful to science, *Audubon Field Notes'* board of editors feels that the counts can be made to serve a dual purpose. As we stated last year, it is essential that the editor be allowed a healthy amount of scientific skepticism if the counts are to have this scientific value. If unsubstantiated reports of Brown-headed Nuthatches in northern Michigan, Common Ravens in coastal Alabama, and Broad-winged Hawks in California were accepted without question the counts soon would lose not only scientific value but the interest of most participants. Fortunately, most compilers wholeheartedly agree that accuracy must be demanded and they attach a sheet to their reports giving details of all unusual observations. A few participants, however, still feel that their observations are not to be questioned by anyone, and object strenuously when the editor deletes a species from the list or even inserts [no details—ED.]. The latter insertion, incidentally, does not question the validity of the observation but simply signifies to serious students of distribution and compilers of regional avifaunal lists that no details were submitted to verify the unusual observation. For instance, a Scarlet Tanager at a northern feeding station may be seen by all the authorities of the region, but if the compiler sends no supplementary information the observation must be questioned. From time to time, subsequent information indicates that a species or a startling number of individuals, which the editor had deleted or questioned, was present. Without hesitation the editor publicly apologizes to all he has offended by his erroneous conclusions, even though such conclusions were forced on him by compilers failing to follow instructions. The editing job is now so tremendous that it is impossible to carry on correspondence tracking down the authenticity of all unusual reports. The local compilers must assume the responsibility for submitting satisfactory details. If a very unusual discovery is not underlined to indicate bold-face print the editor immediately suspects that those reporting were unaware of the unusual nature of the observation. Yet annually many of the most remarkable reports are not even underlined. No matter how unusual the observation, if it is underlined and, in addition, satisfactory substantiating details are submitted, it ordinarily is accepted without doubting editorial comment. The insertion of initials after a rare find, while often of great supporting importance, does not constitute a substantiation; neither does a faulty explanation. One report this year—from one of our northernmost states—told of an observer going to a patch of woods expressly for the purpose of looking for a Broad-winged Hawk as the species regularly nested there! It immediately was evident that the observer did not realize that more than 99% of all Broad-winged Hawks go south of the United States in winter; that the species at this season is a rarity even in northern Florida; that a winter report north of that state is noteworthy; and that its occurrence in any northern state in winter is phenomenal.

For every complaint received about the questioning of reports, a score of notes were received, enthusiastically endorsing the policy of demanding accuracy. Many desire an even more critical policy and urge the deletion of all unusual observations when no details are submitted. Each compiler should shoulder the responsibility of acting as local censor and insist that no report be included unless it is accurate and that careful details be submitted for all rare observations. This year one compiler submitted a report with a side note suggesting that the editor delete one species as it was highly improbable the person reporting the bird had made a correct identification. Clubs should make sure their compiler is not only one of the best local field experts, but a critically-minded person willing to assume responsibility for the accuracy of a report and willing to take time to fill out the report form accurately, neatly and legibly.

Some, I know, will object to the fact that the Eastern Towhee and the Spotted Towhee (two decidedly different-looking birds) are considered now to be one species, while the Eastern and Long-billed Dowitchers (almost identical-looking birds) now are regarded as two distinct species. Remember that neither the editor nor the National Audubon Society had anything to do with this decision. The Committee on Nomenclature and Classification of the American Ornithologists Union is responsible. The AOU is regarded in American ornithological circles as the supreme court in the classification and nomenclature of birds. All must abide by its decisions. This leads the editor to warn those, who in the last decade have objected vociferously to the relatively few changes in long-established nomenclature, that the AOU is about to finish its revision of the entire *Check-list of North American Birds*. There will be many startling changes when the official list appears. *Audubon Field Notes* will conform by changing the names on the report forms and will send a reference list to all compilers, pointing out the revisions.

The editor wishes to thank the participants for their understanding of the need of financial help in meeting the cost of production of the Christmas Bird Count issue. Many participants sent gracious notes stating that they were so happy to help finance a project they consider so stimulating and worthwhile. In fact, one ardent bird watcher who, because of a foot injury, could not participate this year, sent in $1.00 with a note saying she wanted to help. Naturally, there were a few complaints, as is always the case whenever a change is made. Difference of opinion is, of course, to be expected.

Anyone may participate in the taking of a Count. The names of those participants who contribute 50c or more will be printed in the Christmas Bird Count issue of *Audubon Field Notes*.

Participants may wish to know about the income and expenditures (*not including overhead expense,*

which is considerable) in producing *Audubon Field Notes*, including the Christmas Bird Count issue. The auditors' figures for the fiscal year ended June 30, 1955 were as follows:

Income	
Subscriptions	$ 7,897.02
Advertising	499.80
	$ 8,396.82
Expense	
Salaries	$ 4,471.44
Printing AFN	7,347.41
Photos and Engraving	129.92
Postage and Expressage	375.07
Printing and Multigraphing	264.80
Telephone and Telegraph	65.87
Miscellaneous	287.06
	$12,941.57
Net loss for the year	$ 4,544.75

Participant contributions this year to date total $3,019, a very helpful sum, though not enough to pay for the anticipated deficit, as last year's figures indicate.

With relation to all numbers of *Audubon Field Notes*, except the one containing the Christmas Bird Count, practically all of the participants are subscribers. If this were true of participants in the Christmas Bird Count, it would be of tremendous help, for the Christmas Count issue of *Audubon Field Notes* is as large as all other five issues combined and is responsible for most of the annual deficit.

Some have suggested that *Audubon Field Notes* get more advertising. Rest assured we are doing our utmost to get it. One of the best ways to get more advertising is by increasing circulation—now only about 3000.

A few people have expressed the opinion that announcement of the new plan involved too short notice. For years we have asked for voluntary contributions, without any conditions, with astonishingly small response. In *Audubon Field Notes* Margaret Brooks Hickey mentioned the need for a fee on page 49 in the April issue of 1954, and Allan Cruickshank mentioned it on page 65 of the April issue of 1955. Roger Peterson discussed the need of contributions in *Audubon Magazine* on page 53 of the March-April issue of 1955.

When one enters a golf course or a tennis court, he usually pays for the privilege. If one contributes a picture to a photography exhibit, there is a fee. If one goes duck hunting or fishing he pays for a license. If one attends a convention there is a registration fee.

Once it is understood that the 50c contribution is needed, if the publication of the Christmas Bird Counts is to continue, there are not apt to be valid objections. Many people consider participation in Christmas Bird Counts "The best birding event of the year" and "The activity that stimulates our club most." We appreciate very much indeed the spontaneous generosity with which contributions have been made this year by most participants.

Due to the great number of people participating in Christmas Bird Counts, many of them unknown to the editor, a 100% guarantee cannot be given as to the authenticity of an unusual report even though details are demanded by *Audubon Field Notes*. Compilers of state or regional lists interested in some particular observation should contact the compiler of the count and judge for themselves whether or not the details submitted satisfy established standards. It should be noticed in this introduction that the editor has paid little attention to the reports of rarities or extralimital species, but rather to the broad population changes and movements. Mass flights of birds, fluctuations in numbers due to severe cold, extreme heat, or prolonged drought, the obvious extension of a species' wintering range, and similar mass data are not only reliable but of much more importance than the appearance of all the accidental visitors mentioned. It is not safe to compare strictly one count area with another, even though the acreage and the number of observers are the same, for there are many uncontrollable variables. To do this would be to assume that all the observers are equally energetic, have equally sharp eyes and ears, have the same ability in field identification and are able to cover their area with equal ease. Obviously, this is never true. In spite of any shortcomings, however, the mass of data in Christmas Bird Counts is so great that there are a number of ways information can be extracted from it. Several dozen papers based on Christmas Bird Count statistics have been published. The United States Fish and Wildlife Service uses Mourning Dove and Wilson's Snipe figures in terms of number of birds seen per hundred party-hours afield. All the mass data mentioned earlier in this introduction are basically sound.

The Christmas Bird Count is fun, but one reason many people participate so enthusiastically is the additional feeling of doing something worthwhile. It is probably the largest organized cooperative bird-watching activity in the entire world. Numerous letters to the editor indicate that this count is considered by many to be the most exciting, stimulating bird-watching event of the entire year. As Mrs. Carl N. Collister of Longmont, Colo. writes: "Christmas Counts come but once a year. Now what shall we do for the rest of the year? We are already looking forward to the next one."

Christmas Bird Count Dates

Saturday, December 22, 1956 through Tuesday, January 1, 1957

1. **Hawaii National Park, Hawaii** (Kilauea section, same area and coverage as last year).—Dec. 31; 6:45 a.m. to 3 p.m. Rain on Napau trail, otherwise partly cloudy; temp. 53° to 69°; wind calm. Eleven observers in 5 parties. Total party-hours, 32 (27½ on foot, 4½ by car); total party-miles, 105 (20½ on foot, 84½ by car). Hawaiian Hawk, 2; California Quail, 6; Ring-necked Pheasant (including Jap. Blue Pheasant), 13; Am. Golden Plover, 38; Spotted Dove, 13; Barred Dove, 2; Skylark, 44; Red-billed Leiothrix, 191; Omao, 19; Elepaio, 92; Mynah, 54; White-eye, 122; Amakihi, 280; **Hawaiian Creeper, 8** (found by 3 parties); **Akiapolaau, 4;** Apapane, 1307; Iiwi, 71; Ricebird, 12; House Sparrow, 17; North American Cardinal, 11; House Finch, 236. **Total,** 21 species; about 2543 individuals.—Helen Baldwin, Robert Baldwin, Grace Gossard, Grenville Hatch, Al Labrecque, Mace Norton, Leilani Pyle, Robert Pyle (compiler), Ruth Rockafellow, George Ruhle, John Townsley.

2. **Honolulu, Hawaii** (same area and coverage as in 1954).—Dec. 26; 6 a.m. to 5 p.m. Partly cloudy in a.m., clearing in p.m.; temp. 65° to 81°; wind SE, 5 m.p.h. Twenty-two observers in 10 parties. Total party-hours, 57 (43 on foot, 14 by car); total party-miles, 152 (28 on foot, 124 by car). **Laysan Albatross,** 1 (on Moku Manu, carefully identified through 'scope by 5 observers); Red-footed Booby, 1150; Brown Booby, 33; Greater Man-o'-war-bird, 86; Black-crowned Night Heron, 4; Pintail, 256; Ring-necked Pheasant, 7; Florida Gallinule, 4; Am. Coot, 224; Am. Golden Plover, 366; Ruddy Turnstone, 208; Wandering Tattler, 24; Sanderling, 36; Black-necked Stilt, 24; Hawaiian Noddy, 16; Spotted Dove, 195; Barred Dove, 614; Short-eared Owl, 1; Skylark, 6; **Japanese Tit,** 4; **Chinese Thrush,** 5; Red-billed Leiothrix, 462; Shama Thrush, 10; Elepaio, 74; Mynah, 640; White-eye, 402; Amakihi, 102; **Hawaiian Creeper, 3;** Apapane, 159; Ricebird, 421; House Sparrow, 381; N. Am. Cardinal, 212; Brazilian Cardinal, 94; House Finch, 91. **Total,** 34 species; about 6315 individuals.—Carvel Blair, Irma Botsford, Grace Gossard, Charles Hanson, Priscilla Harpham, Grenville Hatch, Phyllis Hihn, John Horning, Lua Lee Horning, Kay Imamura, Joseph King, Unoyo Kojima, Bernice Kuhns, Al Labrecque, John Obata, Blanche Pedley, Leilani Pyle, Robert Pyle (compiler), Ruth Rockafellow, Al Stoops, Dorothea Taylor, Ed P. Wilson (Hawaii Audubon Society).

3. **West Middle Sable, Nova Scotia** (West Middle Sable to Hemeon Head and Matthews Lake; mixed woods, largely coniferous 53%, ocean shore 9%, sheltered brackish water 9%, sand beach 16%, scattered rural community 13%).—Dec. 28; 7:45 a.m. to 4:45 p.m. About 95% cloudy; temp. 21° to 26°; wind N to NE, 5-10 m.p.h.; 9-in. snow on ground, ponds frozen, much ice on brackish waters. Two observers in 2 parties (1 stationary). Total hours afield, 9; total miles, 16 (all on foot). Horned Grebe, 1; European Cormorant, 78; Canada Goose, 2400; Black Duck, 279; Am. Golden-eye, 35; Buffle-head, 6; Old-squaw, 1; Common Eider, 26; White-winged Scoter, 1; Surf Scooter, 1; Am. Merganser, 3; Ruffed Grouse, 1; Great Black-backed Gull, 13; Herring Gull, 230; Hairy Woodpecker, 2; Horned Lark, 10; Gray Jay, 1; Blue Jay, 3; Common Raven, 1; Am. Crow, 19; Black-capped Chickadee, 6; Common Starling, 7; Purple Grackle, 1; Brown-headed Cowbird, 3; Slate-colored Junco, 26; White-throated Sparrow, 1; Song Sparrow, 1; Snow Bunting, 63. **Total,** 28 species; about 3219 individuals. (Seen in area in count period: Sharp-shinned Hawk, Horned Owl, Brown-capped Chickadee, Am. Robin, Gray Shrike, Myrtle Warbler, Evening Grosbeak, Am. Tree Sparrow, Fox Sparrow.)—Harrison F. Lewis, Laura N. Lewis.

4. **Hudson Heights–Hudson, Que.** (same area as in 1953).—Jan. 2; 7:30 a.m. to 4:30 p.m. Sunny; temp. −10° to 10°; wind N, 6-15 m.p.h.; 10-in. snow on ground, all water frozen. Twenty-three observers in 9 parties. Total party-hours, 43 (16 on foot, 3 by car, 14 by ski, 10 at feeders); total party-miles, 82 (26 on foot, 27 by car, 29 by ski). Ruffed Grouse, 3; Horned Owl, 1; Hairy Woodpecker, 14; Downy Woodpecker, 7; Gray Jay, 1; Blue Jay, 80; Black-capped Chickadee, 137; White-breasted Nuthatch, 19; Red-breasted Nuthatch, 4; Brown Creeper, 1; Am. Robin, 2; Common Starling, 59; House Sparrow, 66; Evening Grosbeak, 150; Pine Grosbeak, 31; Common Redpoll, 342; Pine Siskin, 14; Slate-colored Junco, 6; Am. Tree Sparrow, 5; Snow Bunting, 35. **Total,** 20 species; about 977 individuals. (In area during count period: Snowy Owl, Am. Goldfinch)—V. Bryan, E. D. and Mrs. Croll, R. H. and Mrs. Cundill, H. Cundill, R. Cundill, G. A. and Mrs. Golden, A. Grubert, C. Hope, B. Knox, A. R. Lepingwell, Mrs. D. L. Macaulay, D. Macaulay, R. MacDuff, H. Marpole, Mrs. D. Mullan, Mrs. G. Riley, May Riley, H. J. and Mrs. Peterson, J. Wright (compiler).

5. **Quebec, Que.** (same area as in 1954; town suburbs 25%, fields 17%, coniferous forests 5%, deciduous woods 8%, mixed woodlands 35%, shores 10%).—Dec. 26; 7:15 a.m. to 4:30 p.m. Cloudy; temp. 3° to 15°; wind NW, 6-8 m.p.h.; 14-18-in. snow on ground, small rivers frozen, large moving icefields on St. Lawrence. Twenty-three observers in 5 parties. Total party-hours, 29 (26 on foot, 3 by car); total party-miles, 67 (27 on foot, 40 by car). Ruffed Grouse, 4; Iceland Gull, 9; Great Black-backed Gull, 2; Herring Gull, 25; Hairy Woodpecker, 4; Downy Woodpecker, 4; Blue Jay, 7; Black-capped Chickadee, 19; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 1; Brown Creeper, 1; Am. Robin, 12; Cedar Waxwing, 32; Common Starling, 129; House Sparrow, 528; Purple Grackle, 1; Evening Grosbeak, 24; Pine Grosbeak, 90; Common Redpoll, 121; Slate-colored Junco, 1; Am. Tree Sparrow, 6; **Swamp Sparrow,** 1. **Total,** 22 species; about 1022 individuals. (Seen in area count week: Gray Shrike, Am. Crow, White-winged Crossbill, Glaucous Gull, Arctic Three-toed Woodpecker.)—B. Asselin, R. Cayouette (compiler), R. Dumais, P. Germain, F. Hamel, R. Lepage, G. Lepage, L.-A. Lord, R. St.-Laurent (Club des Ornithologues, Quebec).

6. **Bancroft, Ont.** (same area as last year).—Dec. 25; 7:30 a.m. to 4 p.m. Clear; temp. 26° to 19°; wind gusty, 20-25 m.p.h.; 7-in. old snow. One observer. Total hours, 8½ (6½ on foot, 2 by car); total miles, 67 (7 on foot, 60 by car). Goshawk, 1; Hairy Woodpecker, 6; Downy Woodpecker, 6; Blue Jay, 15; Black-capped Chickadee, 18; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 6; Common Starling, 20; House Sparrow, 2; Evening Grosbeak, 7; Pine Grosbeak, 7; Common Redpoll, 20; Pine Siskin, 2; White-winged Crossbill, 3; Slate-colored Junco, 1; Am. Tree Sparrow, 5; Snow Bunting, 8. **Total,** 17 species; 128 individuals.—Earl V. Stark.

7. **Blenheim, Ont.** (same area as former years).—Jan. 2; 8:30 a.m. to 5 p.m. Overcast, light snow in afternoon; temp. 32° to 34°; wind SE, 10-15 m.p.h.; Rondeau Bay frozen, Erieau Harbor open, Lake Erie with ice along shore. Ten observers in 4 parties. Total party-hours, 27 (18 on foot, 9 by car); total party-miles, 101 (27 on foot, 74 by car). Great Blue Heron, 1; Canvas-back, 12; Greater Scaup, 1; Am. Golden-eye, 71; Buffle-head, 4; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Bald Eagle, 7; Marsh Hawk, 4; Sparrow Hawk, 1; Ruffed Grouse, 1; Ring-necked Pheasant, 2; Herring Gull, 40; Bonaparte's Gull, 20; Mourning Dove, 102; Horned Owl, 2; Hairy Woodpecker, 5; Downy Woodpecker, 20; Horned Lark, 11; Blue Jay, 24; Am. Crow, 78; Black-capped Chickadee, 2; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 2; Brown Creeper, 1; Am. Robin, 1; **Hermit Thrush,** 2; Golden-crowned Kinglet, 4; Common Starling, 410; House Sparrow, 800; Cardinal, 50; Pine Siskin, 33; Am. Goldfinch, 12; **Vesper Sparrow,** 1 [no details—Ed.]; Slate-colored Junco, 88; Am. Tree Sparrow, 192. **Total,** 39 species; about 2010 individuals. —J. A. Begg, L. J. Bohn, A. B. Colerick, G. R. Driscoll, H. English, W. M. Gray, Mrs. R. D. Ussher, R. D. Ussher, A. A. Wood, H. B. Wressell (compiler) (Kent Nature Club).

8. **Deep River, Ont.** (Renfrew County, Des Joachims Dam to Deep River, 15 miles along Ottawa River; White Spruce, fir, White Pine woods 50%, Black Spruce, cedar swampland 20%, river bank 20%, cleared land 10%).—Dec. 26; 7:45 a.m. to 4:45 p.m. Cloudy a.m., sunny p.m.; temp. 10° to 20°; wind NW, 5-10 m.p.h.; ground with 8-10-in. powdered snow, lakes frozen, Ottawa River frozen except 2-3 miles below dam. Two observers in 1 party. Total hours, 8 (6 on foot, 2 by car); total miles, 40 (8 on foot, 32 by car). Black Duck, 2; Am. Merganser, 10; Herring Gull, 1; Hairy Woodpecker, 1; Gray Jay, 1; Common Raven, 8; Black-capped Chickadee, 8; Pine Grosbeak, 3; Common Redpoll, 145; Snow Bunting, 40. **Total,** 10 species; 219 individuals. (Seen count week: Brown Creeper, House Sparrow, Red Crossbill, Blue Jay.)—Paul Lewis, Ivan Ophel (compiler).

9. **Hamilton, Ont.** (same area as former years). —Dec. 26; 7:30 a.m. to 7:30 p.m. Cloudy with sunny intervals; temp. 27° to 17°; wind W, NE, WNW, 3-8 m.p.h.; ground bare in open, snow in woods, marshes frozen, harbor partly open. Forty-two observers in 22 parties. Total party-hours, 125 (111 on foot, 14 by car); total party-miles, 363 (140 on foot, 223 by car). Common Loon, 1; Horned Grebe, 2; Great Blue Heron, 1; **Blue Goose,** 1 (present since Nov. 20); Mallard, 113; Black Duck, 128; Canvas-back, 17; Greater Scaup, 303; Lesser Scaup, 10; Am. Golden-eye, 145; Buffle-head, 16; Old-squaw, 5; White-winged Scoter, 4; Ruddy Duck, 1; Am. Merganser, 512; Red-breasted Merganser, 1; Cooper's Hawk, 2; Red-tailed Hawk, 27; Rough-legged Hawk, 3; Sparrow Hawk, 14; Ruffed Grouse, 3; European Partridge, 4; Ring-necked Pheasant, 36; Glaucous Gull, 3; Great Black-backed Gull, 198; Herring Gull, 6400; Ring-billed Gull, 7; Screech Owl, 7; Horned Owl, 6; Snowy Owl, 1; Long-eared Owl, 5; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Red-headed Woodpecker, 2; Hairy Woodpecker, 14; Downy Woodpecker, 55; Horned Lark, 4; Blue Jay, 97; Am. Crow, 74; Black-capped Chickadee, 274; White-breasted Nuthatch, 18; Red-breasted Nuthatch, 10; Brown Creeper, 25; Winter Wren, 2; **Carolina Wren,** 2 (still present Jan. 1); **Mockingbird,** 1 (L. S.); Am. Robin, 3; **Hermit Thrush,** 1; Golden-crowned Kinglet, 12; Cedar Waxwing, 34; Gray Shrike, 5; Common Starling, 2900; House Sparrow, 1400; Eastern Meadowlark, 2; Purple Grackle, 7; Cardinal, 86; Evening Grosbeak, 2; Purple Finch, 6; Pine Grosbeak, 11; Common Redpoll, 34; Pine Siskin, 780; Am. Goldfinch, 51; Red Crossbill, 35; White-winged Crossbill, 11; **Eastern Towhee,** 1; Slate-colored Junco, 731; Am. Tree Sparrow, 586; **Field Sparrow,** 2; White-throated Sparrow, 4; Swamp Sparrow, 4; Song Sparrow, 34; Snow Bunting, 2. **Total,** 72 species; about 15,300 individuals. (Bald Eagle, Tufted Titmouse, White-crowned Sparrow seen during count period.)—Frank Bell, R. D. Bourne, Dennis Brooks, Stella Brown, Don Bucknell, William I. Campbell, Kenneth J. Cox, Robert Curry, James A. Dowall, W. A. Gilmour, Leslie Gray, Ian Halladay, Peter Hamel, John Hencher, David Hick, George Holland, Angus B. Jackson, Margaret Lamb, Thomson Lawrie, Robert MacLaren, Eleanor Malcolm, Julius Mannheimer, C. Douglas McCallum, George O. McMillan, George Meyers, Glen Meyers, Mr. and Mrs. John J. Miller, Mrs. Carl Morden, John W. Moule, Albert B. Nind, George W. North (compiler), Laurel E. North, Mr. and Mrs. C. L. Powell, David K. Powell, Robert K. Sargeant, Douglas Smith, Robert Stamp, Laura Stewart, Mabel Watson, J. Harvey Williams (Hamilton Nature Club).

10. **Kingston, Ont.** (7½-mile radius centering on MacDonald Park, including Cataraqui River and Creek, shores of Lake Ontario, St. Lawrence River; Wolfe Island not covered due to unsafe ice; farmland 23%, urban 6%, marshes 15%, water 23% [all frozen], mixed woodlots 33%).—Dec. 31; 7:30 a.m. to 5:15 p.m. Variable cloud, increasing in p.m.; temp. 7° to 14°; wind NNE, 5-15 m.p.h.; 2-4-in. hard snow covered by ½-in. fresh powder snow; waters and marshes frozen except Cataraqui River below

Kingston Mills. Eighteen observers in 7 parties. Total party-hours, 57 (32 on foot, 25 by car); total party-miles, 344 (59 on foot, 285 by car). Black Duck, 21; Am. Golden-eye, 15; Hooded Merganser, 1; Am. Merganser, 35; Goshawk, 1; Cooper's Hawk, 1; **Red-tailed Hawk,** 1; Bald Eagle, 1; Marsh Hawk, 2; Sparrow Hawk, 3; Ruffed Grouse, **18**; Herring Gull, 2; Horned Owl, 1; Belted Kingfisher, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 10; Downy Woodpecker, 20; Blue Jay, 32; Black-capped Chickadee, **260**; White-breasted Nuthatch, 18; Red-breasted Nuthatch, 7; Brown Creeper, 3; Am. Robin, 1; Gray Shrike, 2; Common Starling, 156; House Sparrow, 111; **Rusty Blackbird,** 2; Evening Grosbeak, 62; Pine Grosbeak, 12; Common Redpoll, 370; Am. Goldfinch, 108; White-winged Crossbill, **237**; Am. Tree Sparrow, 325. **Total,** 33 species; about 1840 individuals. (Seen in area during period: Great Black-backed Gull, Cedar Waxwing, European Partridge, Eastern Meadowlark, Swamp Sparrow, Am. Crow, Pine Siskin.)—A. Bell, J. Cartwright, M. H. Edwards, A. J. Erskine (compiler), Janet Erskine, A. E. Garwood, Ann Hutchison, A. E. Hyde, Isabel Hyde, W. G. Lamb, B. Lindgren, L. H. Lowther, Nora Mansfield, Helen Quilliam, D. R. Rogers, G. M. Stirrett, A. Strong, S. Teeple (Kingston Nature Club).

11. **Kirkland Lake, Ont.** (7½-mile radius centering on Highway 112 one mile north of Dane; fields 20%, towns 5%, coniferous woods 30%, deciduous woods 35%, slimes 5%, cattail marsh 5%; 4 feeding stations).— Dec 26; 9 a.m. to 4 p.m. Partly cloudy; temp. 0° to 10°; wind NW, 15 m.p.h.; 21-in. snow on ground, lakes frozen, streams mostly frozen. Ten observers in 6 parties. Total party-hours, 28 (2 on foot, 7 by car, 19 at feeders), total party-miles, 77 (3 on foot, 74 by car). Hairy Woodpecker, 14; Downy Woodpecker, 7; Gray Jay, 2; Blue Jay, 25; Common Raven, 1; Black-capped Chickadee, 44; Gray Shrike, 1; Common Starling, 20; House Sparrow, 50; Pine Grosbeak, 7; Common Redpoll, 50; **White-winged Crossbill,** 1 (K. C. G.); Snow Bunting, 22. **Total,** 13 species; 244 individuals.—Mrs. Axcell, K. C. Gray, Mr. and Mrs. R. J. McClanahan, Ian Robertson, Jim Savage, Mrs. J. G. Stephenson, J. G. Stephenson (compiler), Mrs. Robert Walker, Frank Washington (Kirkland Lake Nature Club).

12. **London, Ont.** (same area as last year).—Dec. 31; 8 a.m. to 4 p.m. Cloudy, occasional snow flurries; temp. 18° to 22°; wind SE, 10 m.p.h.; ground snow-covered, river mostly open. Thirty-eight observers in 12 parties. Total party-hours, 96 (80 on foot, 16 by car); total party-miles, 184 (57 on foot, 127 by car). Great Blue Heron, 2; Mallard, 3; Black Duck, 36; Am. Golden-eye, 118; Am. Merganser, 10; Sharp-shinned Hawk, 2; Cooper's Hawk, 3; Red-tailed Hawk, 20; Bald Eagle, 2; Marsh Hawk, 2; Ruffed Grouse, 2; Bob-white, 11; Ring-necked Pheasant, 33; **Am. Coot,** 2; Mourning Dove, 158; Screech Owl, 2; Horned Owl, 4; Long-eared Owl, 5; Saw-whet Owl, 1; Belted Kingfisher, 11; Yellow-shafted Flicker, 1; Hairy Woodpecker, 10; Downy Woodpecker, 60; Horned Lark, 1; Blue Jay, 91; Am. Crow, 2; Black-capped Chickadee, 278; White-breasted Nuthatch, 17; Red-breasted Nuthatch, 7; Brown Creeper, 13; Winter Wren, 6; Am. Robin, 2; Golden-crowned Kinglet, 5; **Cedar Waxwing,** 8; Gray Shrike, 3; Common Starling, 203; House Sparrow, 860; Cardinal, 228; Evening Grosbeak, 3; Purple Finch, 6; Common Redpoll, 90; Pine Siskin, 112; Am. Goldfinch, 235; White-winged Crossbill, 25; **Eastern Towhee,** 1; Slate-colored Junco, 324; Am. Tree Sparrow, 267; White-crowned Sparrow, 1 [no details—Ed.]; Swamp Sparrow, 2; Song Sparrow, 30; Snow Bunting, 426. **Total,** 51 species; about 3744 individuals. (Seen in area count week: Brown Thrasher, Snowy Owl, White-throated Sparrow, Red-winged Blackbird.)—James Leach (compiler), Paul Mackenzie, Walter Parsons, Eli Davis, J. C. Laughton, J. C. Higgins, M. Comfort, V. Franks, R. Haines, J. Fallona, M. Fallona, G. Muller, M. J. Heighway, G. Lawton, R. Buykes, W. D. Sutton, Charles, William and Ted Maddeford, H. Osbourne, A. Dunston, G. Aitken, H. Nugent, M. Field, F. Lewis, William Girling, D. Dow, B. Moody, N. Jackson, S. Jackson, William Jarmain, B. Jarmain, G. Cummings, Mrs. G. Cummings, W. W. Judd, A. Thompson, G. Hobbs, Mrs. J. C. Higgins.

13. **Pickering Township, Ont.** (same area as last year).—Dec. 26; 7 a.m. to 5:15 p.m. Overcast with snow to clear; temp. 12° to 8°; wind N, 10-15 m.p.h.; 2-in. crusty snow on ground, ponds frozen, creek open only at rapids. Three observers in 2 parties. Total party-hours. 14; total party-miles, 6. Sharp-shinned Hawk, 1; Ruffed Grouse, 2; Ring-necked Pheasant, 3; Horned Owl, 1; Downy Woodpecker, 1; Blue Jay, 6; Am. Crow, 1; Black-capped Chickadee, 12; White-breasted Nuthatch, 1; Brown Creeper, 1; Golden-crowned Kinglet, 2; Gray Shrike, 1; House Sparrow, 50; Cardinal, 9; Evening Grosbeak, 7; Common Redpoll, 35; Pine Siskin, 6; Am. Goldfinch, 8; White-winged Crossbill, 1; Slate-colored Junco, 24; Oregon Junco, 1 [no details—Ed.]; Am. Tree Sparrow, 25. **Total,** 22 species; 205 individuals.—Gordon Edmund, Doris H. Speirs, J. Murray Speirs (compiler).

14. **Port Arthur–Fort William, Ont.** (7½-mile radius, Bare Point to Chippewa Park, Carter's Corners and Intola; lake 8%, peat and muck bogs 12%, residential and industrial areas 14%, farmlands 24%, woodlands 42%.)—Dec. 26; 8 a.m. to 5:30 p.m. Clear; temp. –8° to 7°; wind SW, 9-4 m.p.h.; 26-in. soft snow, Rowan Berries and other foods scarce, lake and streams frozen except mouth of Current River. Twelve observers in 8 parties. Total party-hours, 32 (17 on foot, 15 by car); total party-miles, 206 (21 on foot, 185 by car). Am. Merganser, 1; Pigeon Hawk, 1 [no details—Ed.]; Ruffed Grouse, 2; Sharp-tailed Grouse, 1; European Partridge, 24; Herring Gull, 47; **Great Gray Owl,** 1 (present for 3 weeks); Snowy Owl, 1; Hairy Woodpecker, 19; Downy Woodpecker, 17; Gray Jay, **20**; Blue Jay, 25; Common Raven, **100**; Am. Crow, 9; Black-capped Chickadee, 126; Brown-capped Chickadee, 5; Gray Shrike, 1; Common Starling, 341; House Sparrow, 1873; Purple

Grackle, 1; Evening Grosbeak, 6; Pine Grosbeak, 82; Common Redpoll, 97; Pine Siskin, 1; Slate-colored Junco, 1; Snow Bunting, 25. **Total,** 26 species; about 2827 individuals.—Dr. and Mrs. A. E. Allin, Keith Denis (compiler), Norman Denis, Claude Garton, Mrs. Joan Hanton, Mrs. W. Knowles, Robert Robb, Sinclair Robb, Mr. and Mrs. Carl Rydholm, James Thompson (Thunder Bay Field Naturalists' Club).

15. **St. Thomas, Ont.** (same area as last year). —Dec. 26; 7:30 a.m. to 5 p.m. Overcast, clearing p.m.; temp. 20° to 30°; wind SW to NW, 15 m.p.h.; ground generally bare, ponds and streams mostly frozen, Lake Erie partially free from ice. Thirty-five observers in 7 parties. Total party-hours, 56 (40 on foot, 16 by car); total party-miles, 243 (64 on foot, 179 by car). Canada Goose, 544; Mallard, 447; Black Duck, 660; **Blue-winged Teal,** 1 (J. L., R. W. —carefully studied); **Redhead,** 1; Greater Scaup, 3; Am. Golden-eye, 73; **Buffle-head,** 1; **Hooded Merganser,** 1; Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-tailed Hawk, 45; Rough-legged Hawk, 5; Bald Eagle, 5; Marsh Hawk, 9; Sparrow Hawk, 3; Ruffed Grouse, 6; Ring-necked Pheasant, 9; Herring Gull, 77; Ring-billed Gull, 1; Mourning Dove, 90; Screech Owl, 3; Horned Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; **Yellow-bellied Sapsucker,** 1 (E. A.); Hairy Woodpecker, 14; Downy Woodpecker, 99; Horned Lark, 53; Blue Jay, 211; Am. Crow, 15; Black-capped Chickadee, 202; White-breasted Nuthatch, 19; Red-breasted Nuthatch, 22; Brown Creeper, 17; Winter Wren, 1; **Carolina Wren,** 1; Am. Robin, 4; Golden-crowned Kinglet, 15; Gray Shrike, 8; **Loggerhead Shrike,** 1 (carefully checked); Common Starling, 740; House Sparrow, 875; **Rusty Blackbird,** 5; Cardinal, 133; Evening Grosbeak, 3; Purple Finch, 20; **Pine Grosbeak,** 1; Common Redpoll, 30; Pine Siskin, **452**; Am. Goldfinch, 157; Eastern Towhee, **21**; Slate-colored Junco, 621; **Oregon Junco,** 3 (now occurs every winter); Am. Tree Sparrow, 492; Field Sparrow, 14; **White-crowned Sparrow,** 1 (at feeding station); **White-throated Sparrow,** 1; Swamp Sparrow, 2; Song Sparrow, 9; Snow Bunting, 1. **Total,** 62 species; about 6258 individuals. (Cedar Waxwing, Bob-white, Snowy Owl seen count week.)—Lloyd Auckland, Barry Barnard, Marshall Field (compiler) Danny Lankin, John Lemon, Fred Lewis, Jim Ronald, Verne Smith, Don Steele.

16. **Sarnia, Ont.** (township of Sarnia and Moore; 7-mile radius centering on intersection of Blackwell Sideroad and Fourth Line, bounded by Lake Huron, St. Clair River, town line of Plympton and Tenth Line of Moore; pasture 10%, plowland 20%, Lake Huron 15%, River St. Clair 10%, coniferous growth 10%, marsh 15%, orchards and farm lots 20%).—Dec. 31; 8:30 a.m. to 4:30 p.m. Mostly clear; temp. 18° to 30°; wind W to NW, 5-15 m.p.h.; few patches of snow, creeks and ponds frozen, river and lake full of floe ice. Eleven observers in 3 parties. Total party-hours, 24 (7 on foot, 17 by car); total party-miles, 115 (6 on foot, 109 by car). Common Loon, 1; **Whistling Swan,** 1; Mallard, 4; Black Duck, 30; Canvas-back, 4; Greater Scaup, 215; Am. Golden-eye, 45; Buffle-head, 3; Old-squaw, 70; Am. Merganser, 110; Red-breasted Merganser, 50; Red-tailed Hawk, 10; Rough-legged Hawk, 4; Sparrow Hawk, 3; Ring-necked Pheasant, 8; Herring Gull, **3000**; Mourning Dove, 6; Downy Woodpecker, 4; Horned Lark, 5; Blue Jay, 33; Am. Crow, 14; Black-capped Chickadee, 5; White-breasted Nuthatch, 2; **Brown Thrasher,** 1 (in yard for month); Gray Shrike, 2; Common Starling, 175; House Sparrow, 3000; Cardinal, 5; Common Redpoll, 115; Am. Goldfinch, 12; Slate-colored Junco, 21; Am. Tree Sparrow, 30. **Total,** 32 species; about 6988 individuals. (Red-breasted Nuthatch, Brown Creeper, Eastern Meadowlark in area count week.)—Dick Blackburn, Angus Buchanan (compiler), Jim and Charlton Carscallen, John Daniels, Bob Denomy, Dave Johnston, Arthur and Trevor Storey, Mr. and Mrs. Don Watson, Clark Wolff, Jr.

17. **Sault Ste. Marie, Ont.–Mich.** (Canadian side of St. Mary's River fairly well covered, U. S. side only around waterfront).—Dec. 27; 7 a.m. to 4:30 p.m. Mostly overcast; temp. −1° to 18°; wind E, 8 m.p.h. Eleven observers in 6 parties. Total party-hours, 11 (1 on foot, 10 by car); total party-miles, 47 (2 on foot, 45 by car). Am. Golden-eye, 3; Am. Merganser, 33; Herring Gull, 9; Snowy Owl, 1; **Great Gray Owl,** 1; Yellow-shafted Flicker, 3; Pileated Woodpecker, 2; Gray Jay, 1; Blue Jay, 11; Common Raven, 2; Am. Crow, 1; Black-capped Chickadee, 30; White-breasted Nuthatch, 1; Gray Shrike, 1; Common Starling, 74; House Sparrow, 7; Evening Grosbeak, 29. **Total,** 17 species; 209 individuals.—G. H. Bergold, R. Dennison, Iola Fountain, B. Jeffery, N. Henderson, Ken Loftus, Otto McNaughton, J. McPhail, H. Nattress, Joseph Thomson, G. Stehr (compiler).

18. **West Elgin, Ont.** (7½-mile radius centered 1 mile north of West Lorne; agricultural land 9%, pastures 8%, river and creek gullies 40%, deciduous woods 20%, conifer groves 2%, lake front 20%, feeding stations 1%).—Dec. 26; 6:30 a.m. to 5:30 p.m. Overcast; temp. 22° to 30°; wind NW to N, 5-20 m.p.h.; trace of snow, shore ice on Lake Erie, ponds and streams frozen except rapids. Seven observers in 4 parties. Total party-hours, 24 (16 on foot, 8 by car); total party-miles, 136 (18 on foot, 118 by car). **Great Blue Heron,** 1; Canada Goose, 24; Mallard, **22**; Black Duck, 1; Am. Golden-eye, **257**; Am. Merganser, 3; **Red-breasted Merganser,** 19; Sharp-shinned Hawk, 2; Red-tailed Hawk, 20; Red-shouldered Hawk, 1; Rough-legged Hawk, 4; **Golden Eagle,** 1 (carefully identified—D.M., D.J., E.G.); Bald Eagle, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 6; Bob-white, 10; Ring-necked Pheasant, 1; Herring Gull, 2; Mourning Dove, 77; Screech Owl, 1; Horned Owl, 4; Pileated Woodpecker, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 11; Downy Woodpecker, 38; Horned Lark, 4; Blue Jay, 77; Am. Crow, 5; Black-capped Chickadee, 36; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 4; Brown Creeper, 5; Am. Robin,

43; Golden-crowned Kinglet, 4; Gray Shrike, 1; Common Starling, 130; House Sparrow, 478; Brown-headed Cowbird, 1; Cardinal, 86; Pine Siskin, 37; Am. Goldfinch, 8; Eastern Towhee, 7; Slate-colored Junco, 304; Am. Tree Sparrow, 409; Swamp Sparrow, 1; Song Sparrow, 13. **Total,** 47 species; about 2171 individuals. (Seen count period: Cooper's Hawk.)—E. Graff, D. Johnson, H. L. Lancaster, J. Lemon, R. E. Lemon, V. E. Lemon, D. Murray (compiler) (West Elgin Nature Club).

19. Westport, Ont. (7½-mile radius centering on village municipal office; farmland 15%, lakes 20%, marshes 5%, deciduous woodland 40%, mixed woodland 18%, Red Cedar groves 2%).—Dec 26; 8 a.m. to 4 p.m. Overcast, clear at 10 a.m.; temp. 10° to 15°; wind NW, 2 m.p.h.; ground with 3-in. snow, marshes, lakes and rivers frozen; unusually low temperature for preceding month. Ten observers in 4 parties. Total party-hours, 32 (17 on foot, 15 by car); total party-miles, 210 (29 on foot, 181 by car). Mallard, 2; Black Duck, 8; **Goshawk,** 1; Ruffed Grouse, 13; **Saw-whet Owl,** 1; Pileated Woodpecker, 5; Hairy Woodpecker, 10; Downy Woodpecker, 2; Blue Jay, 26; Black-capped Chickadee, 86; White-breasted Nuthatch, 6; Winter Wren, 1; Gray Shrike, 4; Common Starling, 75; House Sparrow, 26; Evening Grosbeak, 63; Purple Finch, 2; Pine Grosbeak, 27; Common Redpoll, 345; Pine Siskin, 41; Am. Goldfinch, 97; Slate-colored Junco, 6; Am. Tree Sparrow, 107; Snow Bunting, 452. **Total,** 24 species; about 1406 individuals.—F. Arnold, R. Arnold, A. Bell, J. Cartwright, D. Crawford, A. Erskine, J. Erskine, W. Lamb, P. McManus, A. Strong (compiler).

20. Regina, Sask. (7½-mile radius centering 3 miles north of Regina; prairie farmland 90%, woodland 5%, city and suburbs 5%).—Dec. 27; 8 a.m. to 4 p.m. Partly cloudy, fog over water; temp. 27° to 14°; wind NE, 25-40 m.p.h.; open prairie 4-in. snow, woodland 14-in. snow, open water at Power House. Seven observers in 3 parties. Total party-hours, 12 (8 on foot, 4 by car); total party-miles, 65 (21 on foot, 44 by car). Pied-billed Grebe, 2; Whistling Swan, 2; Canada Goose, 20; Mallard, 175; Pintail, 3; **Pigeon Hawk,** 1; Sharp-tailed Grouse, 33; European Partridge, 5; Horned Owl, 1; Downy Woodpecker, 3; Am. Magpie, 7; Black-capped Chickadee, 2; Brown-capped Chickadee, 3; Red-breasted Nuthatch, 1; Bohemian Waxwing, 160; Gray Shrike, 1; House Sparrow, 50; Pine Grosbeak, 7; Common Redpoll, 40; White-winged Crossbill, 13; Snow Bunting, 325. **Total,** 21 species; about 854 individuals. (Seen in area during count period: Green-winged Teal, Am. Coot, Am. Merganser, Am. Golden-eye, White-breasted Nuthatch, Hoary Redpoll.)—Frank Brazier, E. Cruickshank, Elmer Fox (compiler), Doug Gilroy, Fred Lahrman, R. Ledingham, R. Nero.

21. Saskatoon, Sask. (7½-mile radius centering 3½ miles south of Saskatoon; open country 80%, wooded 20%).—Dec. 26; 8 a.m. to 4:30 p.m. Clear; temp. 21° to 31°; wind SE, 10-20 m.p.h.; ground with 16-in. snow, river edge open at power plant. Twenty-four observers in 10 parties. Total party-hours, 37 (21 on foot, 16 by car); total party-miles, 136 (24 on foot, 112 by car). Lesser Scaup, 2; Am. Golden-eye, 2; Goshawk, 2; Sharp-tailed Grouse, 10; European Partridge, 109; Ring-necked Pheasant, 1; Horned Owl, 4; Snowy Owl, 2; Hairy Woodpecker, 2; Downy Woodpecker, 2; Gray Jay, 4; Am. Magpie, 51; Am. Crow, 2; Black-capped Chickadee, 28; Bohemian Waxwing, 116; Cedar Waxwing, 40; Gray Shrike, 2; Common Starling, 10; House Sparrow, 1187; Pine Grosbeak, 118; Common Redpoll, 1072; **Pine Siskin,** 4; Snow Bunting, 792. **Total,** 23 species; about 3562 individuals.—J. Agar, R. M. Bremner, Jean Davidson, F. J. H. Fredeen, Mrs. J. Gerrard, Jonathan Gerrard, J. B. Gollop, J. D. Hogg, C. J. Houston, Dr. and Mrs. Stuart Houston (compilers), John Hunter, Bob Mills, Lucy Murray, M. W. Nickel, Bob Pravda, Ed Reed, J. F. Roy, J. Shadick, Keith Thue, John Webster, Reuben Willems, F. J. Wilson, Keith Yonge (Saskatoon Natural History Society).

22. Edmonton, Alta. (North Saskatchewan River bank within city of Edmonton, and a few miles east and west of city).—Dec. 26; 8:30 a.m. to 4:30 p.m. Mostly overcast; temp. −2° to −5°; wind N, 2-10 m.p.h. Eight observers in 5 parties. Total party-hours, 12 (8 on foot, 4 by car); total party-miles, 36 (14 on foot, 22 by car). Mallard, 15; Am. Golden-eye, 2; European Partridge, 21; Ring-necked Pheasant, 15; Short-eared Owl, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 1; Blue Jay, 5; Am. Magpie, 46; Black-capped Chickadee, 30; Brown-capped Chickadee, 4; Bohemian Waxwing, 116; Common Starling, 15; House Sparrow, 71; Evening Grosbeak, 7; Pine Grosbeak, 12; Common Redpoll, 16; White-winged Crossbill, 20; Snow Bunting, 56. **Total,** 20 species; 455 individuals.—A. Allen, G. E. Ball, K. Ball, A. Blades, E. O. Höhn (compiler), N. Krevosheia, R. W. Turner, J. E. Williams.

23. Damariscotta–Pemaquid Region, Me. (15-mile diameter from Pemaquid Point to Damariscotta Mills; Route 130 to Pemaquid Falls and Johns River, cross roads to Muscongus Harbor, cross roads to Damariscotta Mills, Damariscotta River shores; rocky shore 40%, salt bays and salt rivers 20%, meadows and marshes 15%, coniferous woodlands 20%, feeding stations 5%).—Dec. 30; 6:50 a.m. to 4:15 p.m. Mostly clear (1-in. snow before 5 a.m.); temp. 17° to 28°; wind NW, 20-25 m.p.h.; 6-8 in. snow on ground, fresh water and most small bays and coves of salt water frozen over. Four observers in 1 party. Total party-hours, 9½ (7½ on foot, 2 by car); total party-miles, 41 (4 on foot, 37 by car). Common Loon, 14; Red-necked Grebe, 5; Horned Grebe, 14; Gannet, 1; European Cormorant, 12; **Mallard,** 4; Black Duck, 94; Am. Golden-eye, 39; Buffle-head, 59; Old-squaw, 49; Common Eider, 172; White-winged Scoter, 8; Hooded Merganser, 11; Am. Merganser, 88; Red-breasted Merganser, 13; **Goshawk,** 1; Red-tailed Hawk, 1; Bald Eagle, 3; Ruffed Grouse, 2; Great Black-backed Gull, 27; Herring

Gull, 146; Black-legged Kittiwake, 33; Dovekie, 1; Black Guillemot, 8; Belted Kingfisher, 3; Hairy Woodpecker, 2; Downy Woodpecker, 2; Blue Jay, 5; Common Raven, 2; Am. Crow, 41; Black-capped Chickadee, 17; Am. Robin, 2; Gray Shrike, 1; Common Starling, 137; House Sparrow, 30; Evening Grosbeak, 8; Pine Grosbeak, 1; Common Redpoll, 62; Am. Goldfinch, 8; Slate-colored Junco, 1; Am. Tree Sparrow, 16; **Fox Sparrow,** 1 (at feeder daily). **Total,** 42 species; about 1144 individuals.—(Seen in area count week: White-breasted Nuthatch, Horned Lark, Brown-headed Cowbird, Red-breasted Nuthatch, Song Sparrow, White-winged Crossbill.)—R. B. Buxton (compiler), M. E. Buxton, Maurice Day, Mark L. Libby.

24. **Mount Desert Island, Me.** (7½-mile radius centering on village of Halls Quarry, encompassing practically all of Mount Desert Island including Acadia National Park; coastal areas 50%, coniferous and deciduous woods 15%, fields 5%, towns and suburbs including 26 feeding stations 30%).—Jan. 2; 6:35 a.m. to 4:25 p.m. Clear; temp. 1° to 17°; wind NW, 1-15 m.p.h.; 3-4-in. snow on ground, smaller bays and inlets frozen. Thirty-two observers in 26 parties. Total party-hours, 55 (30 on foot, 25 by car); total party-miles, 271 (15 on foot, 256 by car). Common Loon, 5; Red-necked Grebe, 2; Horned Grebe, 85; European Cormorant, 85; Black Duck, 317; Greater Scaup, 62; Am. Golden-eye, 263; Barrow's Golden-eye, **22**; Buffle-head, 355; Old-squaw, 438; Common Eider, 814; White-winged Scoter, 139; Surf Scoter, 25; Am. Scoter, 6; **Hooded Merganser,** 1; Am. Merganser, 18; Red-breasted Merganser, 29; Red-tailed Hawk, 2; Bald Eagle, 3; Ruffed Grouse, 3; Great Black-backed Gull, 6; Herring Gull, 1266; Black Guillemot, 1; Belted Kingfisher, 2; Hairy Woodpecker, 34; Downy Woodpecker, 21; Blue Jay, **54**; Common Raven, 4; Am. Crow, 116; Black-capped Chickadee, **347**; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 33; Brown Creeper, 4; **Mockingbird,** 1 (at feeding station for some time); Am. Robin, 9; Golden-crowned Kinglet, 1; Common Starling, 147; **Myrtle Warbler,** 1 (at feeding station for some time); House Sparrow, 52; **Purple Grackle,** 1; Brown-headed Cowbird, **16**; Evening Grosbeak, 219; Pine Grosbeak, 91; Common Redpoll, 132; Am. Goldfinch, 30; White-winged Crossbill, 5; **Eastern Towhee,** 1 (at feeding station); Slate-colored Junco, **49**; Am. Tree Sparrow, **103**; White-throated Sparrow, 3; **Fox Sparrow, 8** (at feeding station); Song Sparrow, 10. **Total,** 52 species; about 5442 individuals. (Seen during count period: Gray Shrike, Purple Finch, Snow Bunting.)—J. Franklin Anthony, Jr., Mrs. George Berry, Mrs. Arthur Bunker, Mrs. Farnham Butler, Mrs. John Chapman, Annie Clark, Mrs. Harvard Dow, Paul G. Favour, Jr. (compiler), Walter Flagg, Wendall Gilley, Mrs. Harold Grindle, Mrs. George Hamilton, Grace N. Laird, Mrs. Leon Lewis, C. C. Little, Mrs. Horace Mann, Mr. and Mrs. Donald McPheters, Mrs. Harvey Moore, Raymond Morris, Bessie Noyes, Mrs. Clarence Noyes, Mr. and Mrs. Robert Patterson, Mrs. Ernest Richardson, Mr. and Mrs. Henry Rivers, Mrs. Amory Thorndike, Mrs. Oscar Thurston, Leighton Wass, Mrs. John Whitcomb, Gladys Whitmore (Acadia National Park and Mount Desert Island Bird Club).

25. **Webster Corner, Me.** (7½-mile radius centering on Webster Corner, same area as last year plus two observers at feeding station area in Lewiston).—Dec. 24; 4:30 a.m. to 8 p.m. Snow, light to moderate; temp. 15° to 25°; wind NE, 2-5 m.p.h.; fields with 3-8-in. snow, up to 10-in. in woods, rivers and lakes frozen except at rapids on Androscoggin River. Four observers in 3 parties. Total party-hours, 30 (26½ on foot, 3½ by car); total party-miles, 110 (30 on foot, 80 by car). **Greater Scaup, 23**; Am. Golden-eye, 6; Am. Merganser, 2; **Goshawk, 4**; Rough-legged Hawk, 1; Ruffed Grouse, 34; Ring-necked Pheasant, 6; Herring Gull, 66; Horned Owl, 1; Barred Owl, 1; Saw-whet Owl, 1; Hairy Woodpecker, 7; Downy Woodpecker, 3; **Arctic Woodpecker,** 1 (D.H.M.); **Horned Lark, 45**; Blue Jay, 17; Am. Crow, 4; Black-capped Chickadee, 170; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 17; Brown Creeper, 3; Am. Robin, 1; Golden-crowned Kinglet, 160; Common Starling, 15; House Sparrow, 15; Evening Grosbeak, 28; Pine Grosbeak, 57; **Hoary Redpoll, 4** (carefully identified at 20 ft.—M.C.M.); Common Redpoll, **1075+**; Pine Siskin, 15; Am. Goldfinch, 41; **Red Crossbill,** 65; White-winged Crossbill, 70; Am. Tree Sparrow, 67; Song Sparrow, 1; Lapland Longspur, 10; Snow Bunting, 165. **Total,** 37 species; more than 2203 individuals. (Seen in area during count period: Pileated Woodpecker, Slate-colored Junco.)—D. H. Morse, M. C. Morse, Jr., Mr. and Mrs. G. E. Ramsdell.

26. **Coastal New Hampshire** (7½-mile radius to include Hampton-Seabrook Harbor, Portsmouth, Great Bay, Exeter; ocean 25%, harbor 10%, brackish bay and river 5%, open land 5%, salt marsh, 5%, sand dunes 5%, brush 10%, mixed woods 25%, suburban 10%).—Dec. 31; midnight to 4:30 p.m. Partly cloudy, snow flurries; temp. 6° to 15°; wind NW, 5-15 m.p.h.; snow in patches until flurries covered ground 1-2-in. deep, Great Bay almost 100% frozen. Eight observers in 4 parties. Total party-hours, 36 (24 on foot, 12 by car); total party-miles, 248 (10 on foot, 238 by car). Common Loon, 45; Red-necked Grebe, 1; Horned Grebe, 38; European Cormorant, 10; Black Duck, 103; Greater Scaup, 200; Am. Golden-eye, 308; **Barrow's Golden-eye,** 1 (K.E.); Buffle-head, 23; Old-squaw, 18; Common Eider, 1; White-winged Scoter, 18; Surf Scoter, 8; Am. Merganser, 46; Red-breasted Merganser, 49; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Bald Eagle, 2; Ruffed Grouse, 2; Ring-necked Pheasant, 4; Purple Sandpiper, 4; **Sanderling,** 3 (T.R.); Great Black-backed Gull, 26; Herring Gull, 968; Screech Owl, 1; Horned Owl, 4; Barred Owl, 1; **Long-eared Owl,** 1 (D.F.); Yellow-shafted Flicker, 1; **Pileated Woodpecker,** 1; Hairy Woodpecker, 1; Downy Woodpecker, 11; Horned Lark, 20; Blue Jay, 60; Am. Crow, 182; Black-capped Chickadee, 94; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 2; Am.

Robin, 3; Golden-crowned Kinglet, 4; Gray Shrike, 2; Common Starling, 548; House Sparrow, 128; Eastern Meadowlark, 6; Evening Grosbeak, 25; Purple Finch, 3; Common Redpoll, 70; Am. Goldfinch, 91; finch (sp.), 170; Slate-colored Junco, 41; Am. Tree Sparrow, 241; White-throated Sparrow, 3; Fox Sparrow, 2; **Swamp Sparrow,** 1; Song Sparrow, 11; Snow Bunting, 25. **Total,** 56 species; about 3638 individuals.—Hamilton Coolidge, Kimball Elkins, Davis Finch, Eugene Finch, Marion and Norman L. Hatch, Carolyn Jakeman, Tudor Richards (compiler).

27. Dummer Hill, N. H. (townships of Dummer and Stark; open fields and pastures 40%, Canadian forest 60%).—Dec. 28; 7:30 a.m. to 4 p.m. Clear; temp. 2° to 15°; wind NW, 10 m.p.h.; ground with 6-18-in. snow. Two observers in 2 parties. Total party-hours, 11½; total party-miles, 12 (all on foot). Ruffed Grouse, 7; Pileated Woodpecker, 1; Hairy Woodpecker, 3; Blue Jay, 7; Black-capped Chickadee, 23; Brown-capped Chickadee, 4; Golden-crowned Kinglet, 13; Evening Grosbeak, 1; Pine Grosbeak, 6; Red Crossbill, 3; Snow Bunting, 6. **Total,** 11 species; 74 individuals.—Sally Harris, Stuart K. Harris (compiler).

28. Keene-Walpole, N. H. (7½-mile radius to include North Walpole, East Alstead, Gilsum, West Keene, Westmoreland Village; open river 10%, mixed White Pine, Hemlock and hardwoods 60%, brush 15%, open fields 5%, suburban 10%).—Dec. 26; 6:30 a.m. to 4:30 p.m. Mostly clear; temp. 13° to 18°; wind NW, 5-15 m.p.h.; ground with 1-2-in. snow, water frozen except for 2-3 miles of Conn. River. Four observers in 3 parties. Total party-hours, 16 (9 on foot, 7 by car); total party-miles, 130 (3 on foot, 127 by car). Black Duck, 35; Am. Golden-eye, 40; Am. Merganser, 12; Hairy Woodpecker, 11; Downy Woodpecker, 8; Blue Jay, 46; Am. Crow, 170; Black-capped Chickadee, 129; White-breasted Nuthatch, 12; Red-breasted Nuthatch, 15; Brown Creeper, 1; Golden-crowned Kinglet, 4; Common Starling, 88; House Sparrow, 41; Evening Grosbeak, 187; Common Redpoll, 2; Slate-colored Junco, 1; Am. Tree Sparrow, 46; White-throated Sparrow, 1; Song Sparrow, 1. **Total,** 20 species; about 850 individuals.—Doris Brainard, John McIlwaine, Tudor Richards (compiler), Mrs. Fay Smith.

29. Pittsburg, N. H. (7½-mile radius to include Pittsburg Village and lower East Inlet; open pools in river 2%, village 7%, dump 3%, open land 2%, brush 1%, northern hardwoods and mixed woods 35%, northern softwoods 35%, feeders 15%).—Jan. 2; 7:30 a.m. to 5:15 p.m.; temp. −27° to 0°; no wind; 17-30-in. snow on ground. One observer. Total hours, 9¾ (1¾ on foot, 8 by car); total miles, 75½ (1½ on foot, 74 by car). Black Duck, 10; Am. Golden-eye, 7; Am. Merganser, 12; Goshawk, 1; Downy Woodpecker, 4; Gray Jay, 4; Blue Jay, 8; Black-capped Chickadee, 28; Brown-capped Chickadee, 9; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 5; Evening Grosbeak, 13; Purple Finch, 1; Common Redpoll, 25; Slate-colored Junco, 1; Am. Tree Sparrow, 1. **Total,** 16 species; 135 individuals.—Fred T. Scott.

30. Bennington, Vt. (same territory as 1954; open fields 40%, woods 40%, feeding stations 20%).—Dec. 26; 8 a.m. to 4:30 p.m. Clear until 1 p.m., then light clouds; temp. 19° to 26°; wind NW, 8-10 m.p.h.; ground bare. Ten observers in 7 parties. Total party-hours 44 (4 on foot, 12 by car; total party-miles, 15. Am. Merganser, 5; Cooper's Hawk, 1; Red-tailed Hawk, 5; Sparrow Hawk, 1; Ruffed Grouse, 4; Ring-necked Pheasant, 15; Pileated Woodpecker, 1; Hairy Woodpecker, 10; Downy Woodpecker, 12; Blue Jay, 22; Am. Crow, 151; Black-capped Chickadee, 91; White-breasted Nuthatch, 16; Brown Creeper, 2; Gray Shrike, 1; Common Starling, 133; House Sparrow, 327; Eastern Meadowlark, 1; Red-winged Blackbird, 1; Purple Grackle, 2; Brown-headed Cowbird, 1; Evening Grosbeak, 105; Am. Goldfinch, 8; Slate-colored Junco, 1; Am. Tree Sparrow, 32; White-throated Sparrow, 2; Song Sparrow, 1. **Total,** 27 species; about 951 individuals.—Dorothy Barrow, Henrietta Barrow, Mrs. Reginald Buzzell, Eugene Clark, Mrs. Wesley Hadden, John Johnson, Mrs. Margery Ludlow, Howard Nash, Mrs. Marion Riemann, Lucretius H. Ross (compiler).

31. Burlington, Vt. (7½-mile radius centering at College St. and lake front; deciduous woods 6%, evergreen woods 17%, residential 3%, cattail marsh 3%, plowed fields 18%, lake shore 53%).—Dec. 31; 7 a.m. to 5 p.m. Overcast; temp. 8° to 2°; wind N to NNE, 10-28 m.p.h.; lake open but steaming heavily, rivers and shores of bays frozen, 1-in. hard snow base, 1-in. fresh powder snow. Seven observers in 3 parties. Total party-hours, 17 (13 on foot, 4 by car); total party-miles, 84 (19 on foot, 65 by car). Common Loon, 1; Red-necked Grebe, 1; Horned Grebe, 53; **Canada Goose,** 1; Mallard, 1; Black Duck, 56; Greater Scaup, 17; Am. Golden-eye, 691; Buffle-head, 1; White-winged Scoter, 1; Am. Merganser, 55; **Cooper's Hawk,** 1; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 1; Ruffed Grouse, 6; Iceland Gull, 1; Great Black-backed Gull, 6; Herring Gull, **1625**; Ring-billed Gull, 2; Pileated Woodpecker, 3; Hairy Woodpecker, 6; Downy Woodpecker, 6; Horned Lark, 9; Blue Jay, 5; Am. Crow, 5; Black-capped Chickadee, 51; White-breasted Nuthatch, 12; Red-breasted Nuthatch, 3; Brown Creeper, 2; Golden-crowned Kinglet, 5; **Cedar Waxwing,** 2; Common Starling, 66; House Sparrow, 86; **Eastern Meadowlark,** 1; Evening Grosbeak, 50; Purple Finch, 2; Common Redpoll, 39; Pine Siskin, 33; Am. Goldfinch, 11; **Red Crossbill,** 1; White-winged Crossbill, 12; Slate-colored Junco, 10; Am. Tree Sparrow, 54; Song Sparrow, 2; Snow Bunting, 52. **Total,** 46 species; about 3050 individuals. (Seen in area count week: Red-breasted Merganser, Sparrow Hawk, Mourning Dove, Am. Robin, Gray Shrike, Red-winged Blackbird.)—Mrs. Oliver Eastman, Rolfe Eastman, Richard Lavallee, Alan Munro, Anna S. Reynolds, Norman St. Jacques, Marion L. Smith (compiler).

32. **Topsham, Vt.** (virtually same area as last year; open farmland 48%, mixed deciduous and evergreen woods, swampy in places 43%, orchard 3%, dry pasture 6%).—Dec. 27; 6:30 a.m. to 4:35 p.m. Partly cloudy, snow flurries; temp. 7° to 16°; wind NW, 5-25 m.p.h.; 2-14-in. snow on ground, small brooks frozen. Three observers, 2 in 1-2 parties, 1 at feeding station. Total party-hours, 16 (15½ on foot, ½ by jeep); total party-miles, 10½ (9 on foot, 1½ by jeep). Ruffed Grouse, 9; Hairy Woodpecker, 7; Downy Woodpecker, 3; Blue Jay, 21; Black-capped Chickadee, 64; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 2; Golden-crowned Kinglet, 10; **Common Starling,** 5; Pine Grosbeak, 15; White-winged Crossbill, 1. **Total,** 11 species; 142 individuals. (Barred Owl, Pileated Woodpecker, Snow Bunting in area count week.)—Alison Macdonald, Alison M. Macdonald, Elisabeth Macdonald (compiler).

33. **Belmont, Mass.** (including Fresh Pond in Cambridge, same area as previous 21 years; pasture 10%, deciduous woodland 25%, coniferous woodland 10%, marshland 15%, residential 40%).—Dec. 26; 6:30 a.m. to 3:45 p.m. Fair; temp 14° to 22°; wind NW, gusts to 20 m.p.h.; ground bare, ponds frozen except for small open places. Nine observers in 6 parties. Total party-hours, 25 (22 on foot, 3 by car); total party-miles, 41 (20 on foot, 21 by car). Mallard, 109; Black Duck, 54; Am. Widgeon, 57; Am. Merganser, 7; **Sharp-shinned Hawk,** 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Sparrow Hawk, 2; Ring-necked Pheasant, 14; Great Black-backed Gull, 11; Herring Gull, 760; Screech Owl, 2; Yellow-shafted Flicker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 10; Blue Jay, 49; Am. Crow, 63; Black-capped Chickadee, 97; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 2; Brown Creeper, 4; Am. Robin, 9; Common Starling, 186; House Sparrow, 55; **Eastern Meadowlark,** 1; Purple Finch, 9; Pine Grosbeak, 2; Pine Siskin, 2; Am. Goldfinch, 43; Slate-colored Junco, 54; Am. Tree Sparrow, 24; White-throated Sparrow, 11; **Fox Sparrow,** 1; Song Sparrow, 16. **Total,** 34 species; about 1671 individuals. (Seen in area census period: Pintail, **Am. Woodcock, White-winged Crossbill.**)—Mrs. William H. Claflin, 3rd, Mrs. Francis W. Davis, Kimball C. Elkins, Mrs. Hervey B. Elkins, Charles Anthony Federer, 3rd, Ivan Getting, Jr., Robert T. Paine, 3rd, Mr. and Mrs. Samuel D. Robbins (compiler).

34. **Cape Ann, Mass.** (7½-mile radius including Gloucester, Rockport, Essex and parts of Beverly, Manchester, Ipswich, Hamilton; same territory covered for 21 years; rocky shores, coves, sea coast, inland ponds, woodland, town suburbs, fishing docks, etc.).—Dec. 26; 8 a.m. to 4:30 p.m. Clear; temp. 15° to 25°; wind NW, 25-30 m.p.h.; ground bare, most ponds frozen. Forty-six observers in 10 parties. Total party-hours, 80 (50 on foot, 30 by car); total party-miles, 300 (50 on foot, 250 by car). Common Loon, 11; Red-throated Loon, 3; Red-necked Grebe, 5; Horned Grebe, 133; Gannet, 3; European Cormorant, 78; Canada Goose, 5; Mallard, 22; Black Duck, 941; Am. Widgeon, 1; Pintail, 2; Greater Scaup, 243; Am. Golden-eye, 475; Barrow's Golden-eye, 3; Buffle-head, 62; Old-squaw, 36; Common Eider, 13; White-winged Scoter, 36; Surf Scoter, 7; Am. Scoter, 3; Am. Merganser, 2; Red-breasted Merganser, 238; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 2; Ring-necked Pheasant, 14; Purple Sandpiper, 85; Red-backed Sandpiper, 14; Sanderling, 4; Iceland Gull, 1 (Kumlien's); Great Black-backed Gull, 278; Herring Gull, 9441; Ring-billed Gull, 1; Black-legged Kittiwake, 1; **Brünnich's Murre,** 1; Black Guillemot, 2; Mourning Dove, 1; Screech Owl, 3; Horned Owl, 2; Long-eared Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 12; Hairy Woodpecker, 9; Downy Woodpecker, 22; Horned Lark, 38; Blue Jay, 115; Am. Crow, 204; Black-capped Chickadee, 275; White-breasted Nuthatch, 19; Red-breasted Nuthatch, 3; Brown Creeper, 6; **Mockingbird,** 1; Catbird, 2; Brown Thrasher, 1; Am. Robin, 21; Hermit Thrush, 2; Golden-crowned Kinglet, 1; Gray Shrike, 1; Common Starling, 4899; Myrtle Warbler, 243; House Sparrow, 398; Eastern Meadowlark, 6; **Dickcissel,** 1; Evening Grosbeak, 128; Purple Finch, 51; Am. Goldfinch, 115; Savannah Sparrow, 5; **Seaside Sparrow,** 1 (same area as last year); Slate-colored Junco, 190; **Oregon Junco,** 1; Am. Tree Sparrow, 179; Field Sparrow, 3; White-throated Sparrow, 29; Fox Sparrow, 6; Swamp Sparrow, 3; Song Sparrow, 49; Snow Bunting, 32. **Total,** 78 species; about 19,252 individuals. (Glaucous Gull seen in territory count week.)—Robert Benjamin, Frances Burnett, Rachel Brown, Donald Burke, Mr. and Mrs. John I. Beattie, William E. Davis, Theodore Davis, Paul Dunne, Raymond DiLucci, David Freeland, Mr. and Mrs. Maxwell Foster, Don Gould, Murray Gardler, Mrs. William Van Grimes, Richard Gelpke, Richard Haldane, Henry Hamilton, Mr. and Mrs. Henry Halberg, Peter Isleib, Natalie King, Ralph Lawson, Bertram Leadbeater, Susan Loring, George Loring, C. Russell Mason (compiler), Frank C. Maurer, Jr., Ronald MacEldowney, Nathaniel C. Nash, Donald Olson, Herbert Pratt, William Rice, Douglas B. Sands, Thomas B. Smith, Charles Shackelford, Virginia Sleigh, Robert Smart, Dorothy E. Snyder, Roderic Sommers, Mr. and Mrs. Francis Wade, Mr. and Mrs. John Walsh, Henry T. Wiggin.

35. **Cape Cod, Mass.** (parts of Chatham, Brewster, Orleans and Eastham; same routes as previous years).—Jan. 2; before dawn to 5:15 p.m. Clear; temp. 7° to 25°; wind NW, light; light cover of snow, marshes and ponds completely frozen, Mass. Bay frozen, slab ice in Nantucket Sound; coldest Dec. in Mass. in 38 years. Thirty-seven observers in 8 parties, Total party-hours, 89 (40 on foot, 49 by car); total party-miles, 423 (80 on foot, 343 by car). Common Loon, 22; Red-throated Loon, 7; Red-necked Grebe, 1 (D.S.); Horned Grebe, 52; Pied-billed Grebe, 1; Gannet, 3; Great Blue Heron, 48; Black-crowned Night Heron, 16; Am. Bittern, 4; Canada Goose, 1213; Am. Brant, 1139; **Snow Goose,** 11 (L.G.); Mallard, 3; Black Duck, 1937; Am. Widgeon, 9; Pintail, 1; Green-winged Teal, 1; Greater Scaup, 221; Am. Golden-eye, 764; **Barrow's Golden-eye,** 1;

Buffle-head, 385; Old-squaw, 143; Common Eider, 2403; White-winged Scoter, 575; Surf Scoter, 1; Am. Scoter, 13; Am. Merganser, 131; Red-breasted Merganser, 396; Sharp-shinned Hawk, 2; Cooper's Hawk, 3; Red-tailed Hawk, 9; Bald Eagle, 3; Marsh Hawk, 9; Sparrow Hawk, 13; Ruffed Grouse, 1; Bob-white, 27; Ring-necked Pheasant, 4; Virginia Rail, 3 (1 caught alive); Black-bellied Plover, 14; **Am. Woodcock,** 3; Wilson's Snipe, 4; Red-backed Sandpiper, 1139; Sanderling, 214; Great Black-backed Gull, 273; Herring Gull, 3453; Ring-billed Gull, 9; **Laughing Gull,** 2 (A.M.); Bonaparte's Gull, 1; Black-legged Kittiwake, 2; **Dovekie,** 1 (A.M.); Mourning Dove, 21; Screech Owl, 2; Horned Owl, 5; **Barred Owl,** 1 (D.S.); Long-eared Owl, 2; Belted Kingfisher, 12; Yellow-shafted Flicker, 79; Hairy Woodpecker, 1; Downy Woodpecker, 26; Horned Lark, 84; Blue Jay, 76; Am. Crow, 400; Black-capped Chickadee, 607; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 16; Brown Creeper, 5; Carolina Wren, 1; **Mockingbird,** 1 (E.B.); Catbird, 3; Am. Robin, 28; Hermit Thrush, 4; Eastern Bluebird, 133; Golden-crowned Kinglet, 1; Gray Shrike, 2; Common Starling, 833; **Orange-crowned Warbler,** 2; (R.B., R.H.); Myrtle Warbler, 1695; House Sparrow, 717; Eastern Meadowlark, 78; Red-winged Blackbird, 2; **Dickcissel,** 2; Brown-headed Cowbird, 102; Evening Grosbeak, 223; Purple Finch, 16; Common Redpoll, 4; Am. Goldfinch, 216; Ipswich Sparrow, 1 (A.M.); Savannah Sparrow, 14; **Sharp-tailed Sparrow,** 3 (Acadian—S.E.); Seaside Sparrow, 2; Slate-colored Junco, 112; Am. Tree Sparrow, 277; Field Sparrow, 23; White-throated Sparrow, 105; Fox Sparrow, 9; Swamp Sparrow, 26; Song Sparrow, 161; Lapland Longspur, 2; Snow Bunting, 77. **Total,** 99 species; about 20,903 individuals. (Piping Plover, Yellow-breasted Chat, Baltimore Oriole, Oregon Junco, Chipping Sparrow, Common Sharp-tailed Sparrow seen day before count.)—Eleanor Barry, Mr. and Mrs. John Beattie, Richard Bowen, Henry Cutler, Mr. and Mrs. William Drury Jr., Richard Eaton, Samuel Eliot, David Emerson, Mrs. Maurice Emery, Robert Fox, David Freeland, Murray Gardler, Steven Gendall, Ludlow Griscom, Mr. and Mrs. Henry Halberg, Kenneth Hamilton, Mr. and Mrs. Stevens Heckscher, Norman Hill, Richard Hinchman, Peter Isleib, Mr. and Mrs. Daniel Johnson, Richard Kleber, Stephen Lane, William Long, Mr. and Mrs. C. Russell Mason, Allen Morgan, Henry Parker (compiler), Douglas Sands, Robert Smart, Roderic Sommers, Henry White.

36. Greenfield, Mass. (7½-mile radius centering on Franklin County Fair Grounds; fields and meadows 40%, woodlands 20%, populated 15%, marsh 15%, water 10%).—Dec. 26; 7:30 a.m. to 4 p.m. Partly cloudy to cloudy; temp. 12° to 25°; wind NW, 0-20 m.p.h.; ground bare, water and marsh areas frozen except Conn. River in southern part of circle. Eight observers in 5 parties. Total party-hours, 47 (16 on foot, 31 by car); total party-miles, 321 (19 on foot, 302 by car). Mallard, 2; Black Duck, 47; Am. Golden-eye, 34; Am. Merganser, 28; **Goshawk,** 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Sparrow Hawk, 4; Ruffed Grouse, 4; Ring-necked Pheasant, 14; Herring Gull, 3; Mourning Dove, 15; Belted Kingfisher, 1; Pileated Woodpecker, 2; Hairy Woodpecker, 27; Downy Woodpecker, 28; Blue Jay, 243; Am. Crow, 501; Black-capped Chickadee, 176; White-breasted Nuthatch, 42; Red-breasted Nuthatch, 1; Brown Creeper, 1; Golden-crowned Kinglet, 3; Gray Shrike, 2; Common Starling, 710; House Sparrow, 804; Evening Grosbeak, **504**; Purple Finch, 1; Pine Grosbeak, 13; Common Redpoll, 3; Pine Siskin, 32; Am. Goldfinch, 123; Slate-colored Junco, 61; Am. Tree Sparrow, 255; White-throated Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 9. **Total,** 37 species; about 3698 individuals. (Seen 100 yds. outside census circle: **Peregrine Falcon;** this bird at southern tip of ridge, almost entirely within census limits, and certainly must have been traversing the whole ridge.)—John L. Bagg, Arthur A. Green, Caroline Hamilton, David Hirth, Judy Hirth, Mrs. Erwin C. Reed, Cristobel Rockwood, Glenn A. Weeks (compiler).

37. Jamaica Plain–Brookline, Mass. (same area as in the past: Arnold Arboretum to Muddy River including Sargent Estate in Brookline, Jamaica, Ward's and Leverett's Ponds; municipal park 80%, ponds and streams 10%, mixed woods 10%).—Dec. 24; 8 a.m. to 4 p.m. Partly cloudy, some drizzle; temp. 19° to 26°; wind SW, 8-12 m.p.h.; ground with light snow, small ponds frozen, large ones almost completely frozen. Six observers in 1 party. Total party-hours, 8; total party-miles, 12 (all on foot). Mallard, 85; Black Duck, 600; **European Widgeon,** 1; Am. Widgeon, 6; **Green-winged Teal,** 2; **Shoveller,** 1; Lesser Scaup, 5; Am. Golden-eye, 1; Ruddy Duck, 1; Ring-necked Pheasant, 6; Am. Coot, 7; Great Black-backed Gull, 5; Herring Gull, 350; Ring-billed Gull, 3; Yellow-shafted Flicker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 3; Blue Jay, 11; Am. Crow, 15; Black-capped Chickadee, 12; White-breasted Nuthatch, 2; **Mockingbird,** 1; Am. Robin, 3; Golden-crowned Kinglet, 3; Common Starling, 28; House Sparrow, 33; Am. Goldfinch, 1; Slate-colored Junco, 25; Am. Tree Sparrow, 4; White-throated Sparrow, 3; Fox Sparrow, 3; Song Sparrow, 3. **Total,** 32 species; about 1227 individuals.—David Coutts, Miriam E. Dickey (compiler), Karsten Hartel, Judith Kelley, Thomas McKenna, George Smiltens (Children's Museum Bird Club).

38. Marshfield, Mass. (15-mile diameter along shore from Gurnet Point, Duxbury to Scituate lighthouse, inland to Pembroke and Hanover; beach and dunes 30%, salt marsh and bays 30%, feeding stations 25%, fields and roadside 15%).—Dec. 30; 7:15 a.m. to 5 p.m. Clear; temp. 26° to 35°; wind NW, 19-25 m.p.h.; light cover of snow, fresh-water ponds and marsh edges frozen. Six observers in 3 parties. Total party-hours, 16½ (12 on foot, 4½ by car); total party-miles, 68 (14 on foot, 54 by car). Common Loon, 16; Red-throated Loon, 1; Red-necked Grebe, 1; Horned Grebe, 1; Gannet, 3; European Cormorant, 11; Black Duck, 41; Greater Scaup, 21; Am. Golden-eye, 190; Buffle-head, 37; Old-squaw,

16; Common Eider, 24; White-winged Scoter, 45; Surf Scoter, 2; Am. Scoter, 1; Red-breasted Merganser, 69; Red-tailed Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 5; Ruffed Grouse, 1; Bob-white, 20; Ring-necked Pheasant, 8; **Black-bellied Plover,** 1 (with sandpiper flock); Red-backed Sandpiper, 134; Iceland Gull, 1; Great Black-backed Gull, 52; Herring Gull, 1500; Ring-billed Gull, 4; Black-legged Kittiwake, 12; **Black Guillemot,** 2; Mourning Dove, 12; Short-eared Owl, 1; Yellow-shafted Flicker, 12; Hairy Woodpecker, 1; Downy Woodpecker, 14; Horned Lark, 15; Blue Jay, 137; Am. Crow, 31; Black-capped Chickadee, 111; White-breasted Nuthatch, 5; Brown Creeper, 1; Carolina Wren, 1; **Catbird,** 1; Am. Robin, 30; Eastern Bluebird, 1; Gray Shrike, 1; Common Starling, 517; Myrtle Warbler, 78; House Sparrow, 139; Eastern Meadowlark, 3; Brown-headed Cowbird, 66; **Dickcissel,** 1; Evening Grosbeak, 110; Purple Finch, 46; Pine Siskin, 3; Am. Goldfinch, 87; **Eastern Towhee,** 1; Savannah Sparrow, 8; Slate-colored Junco, 134; **Oregon Junco,** 1 (at feeder for week); Am. Tree Sparrow, 120; White-throated Sparrow, 37; Fox Sparrow, 1; Swamp Sparrow, 7; Song Sparrow, 30; Snow Bunting, 24. **Total,** 66 species; about 4008 individuals. (Seen in area during period: Belted Kingfisher, Brown Thrasher, Hermit Thrush, **Western Tanager.**)—Rosella S. Ames, Peter Isleib, Helen L. Peterson, Julia C. Peterson, Robert W. Smart, A. Allison Wills.

39. Nantucket, Mass. (main island of Nantucket including Great Point, Smith Point, Eel Point; ocean, salt marsh, bays, inlets, dunes, 85%, inland moors and thickets 15%).—Dec. 31; 7 a.m. to 4:45 p.m. Mostly overcast, intermittent snow, squalls a.m.; temp. 22° to 27°; wind WNW, 20-30 m.p.h.; light snow cover in places, inland ponds 95% frozen, harbors and inlets 50% frozen. Four observers in 1 party. Total party-hours, 12 (2 on foot, 10 by car); total party-miles, 80 (4 on foot, 76 by car). Common Loon, 10; Horned Grebe, 3; Pied-billed Grebe, 1; European Cormorant, 1; **Am. Bittern,** 3; Canada Goose, 114; Mallard, 2; Black Duck, 171; Am. Widgeon, 110; Green-winged Teal, 2; Redhead, 2; Canvas-back, 19; Greater Scaup, 133; Am. Golden-eye, 65; Buffle-head, 43; Old-squaw, 166; Common Eider, **200,000**; White-winged Scoter, 150; Surf Scoter, 1; Am. Scoter, 3; Red-breasted Merganser, 107; Red-tailed Hawk, 6; Rough-legged Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 1; Ring-necked Pheasant, 13; Am. Coot, 17; Black-bellied Plover, 5; **Ruddy Turnstone,** 19; **Sanderling,** 25; Great Black-backed Gull, 19; Herring Gull, 900; **Black Guillemot,** 2; Mourning Dove, 1; Yellow-shafted Flicker, 13; Hairy Woodpecker, 1; Horned Lark, 37; Blue Jay, 3; Am. Crow, 85; Black-capped Chickadee, 3; **Catbird,** 1; Am. Robin, 21; Eastern Bluebird, 6; Cedar Waxwing, 1; Common Starling, 395; Myrtle Warbler, 200; House Sparrow, 165; Eastern Meadowlark, 10; Brown-headed Cowbird, 18; Evening Grosbeak, 13; Am. Goldfinch, 3; **Red Crossbill,** 7; Am. Tree Sparrow, 2; White-throated Sparrow, 2; Song Sparrow, 10; Snow Bunting, 155. **Total,** 56 species; about 203,269 individuals. (Seen in area count week: Baltimore Oriole, Purple Grackle, Swamp Sparrow, Short-eared Owl.)—Mr. and Mrs. Clinton Andrews, Kenny Blackshaw, John V. Dennis (compiler).

40. Newburyport, Mass. (same territory as last 16 years).—Dec. 26; 7 a.m. to 5:30 p.m.; temp. 12° to 20°; wind NW, 5-25 m.p.h.; ground bare, ponds and streams frozen; Dec. has averaged about 6° a day below normal. Twenty-three observers in 6 parties. Total party-hours, 60 (18 on foot, 42 by car); total party-miles, 245 (20 on foot, 225 by car). Common Loon, 5; Horned Grebe, 190; Canada Goose, 163; Mallard, 4; Black Duck, 522; Greater Scaup, 320; Am. Golden-eye, 734; Buffle-head, 36; Old-squaw, 53; White-winged Scoter, 7; Hooded Merganser, 1; Am. Merganser, 6; Red-breasted Merganser, 362; Red-tailed Hawk, 2; Red-shouldered Hawk, 3; Rough-legged Hawk, 2; Bald Eagle, 1; Marsh Hawk, 9; Sparrow Hawk, 10; Ruffed Grouse, 5; Ring-necked Pheasant, 31; Wilson's Snipe, 1; Purple Sandpiper, 18; Sanderling, 2; Glaucous Gull, 1; Great Black-backed Gull, 23; Herring Gull, 855; Ring-billed Gull, 9; **Mew Gull** (subspecies), 1 (carefully identified by L.G. party); **Black-headed Gull,** 1 (winters annually); Bonaparte's Gull, 22; Mourning Dove, 16; Snowy Owl, 1; Long-eared Owl, 4; Yellow-shafted Flicker, 4; Hairy Woodpecker, 15; Downy Woodpecker, 28; Horned Lark, 76; Blue Jay, 195; Am. Crow, 243; Black-capped Chickadee, 348; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 1; Brown Creeper, 2; **Mockingbird,** 1; Catbird, 1; Am. Robin, 11; Golden-crowned Kinglet, 6; Gray Shrike, 1; Common Starling, 1066; Myrtle Warbler, 85; House Sparrow, 653; Eastern Meadowlark, 20; Evening Grosbeak, 163; Purple Finch, 55; Pine Siskin, 70; Am. Goldfinch, 299; Savannah Sparrow, 4; **Seaside Sparrow,** 1; Slate-colored Junco, 255; Am. Tree Sparrow, 485; Field Sparrow, 4; White-throated Sparrow, 8; Fox Sparrow, 2; Swamp Sparrow, 2; Song Sparrow, 18; Lapland Longspur, **85. Total,** 67 species; about 7637 individuals.—Donald Alexander (compiler), Mrs. Donald C. Alexander, Mr. and Mrs. Arthur W. Argue, Mr. and Mrs. Thomas Banes, Eleanor E. Barry, Winona Chang, Ruth P. Emery, Elmer P. Foye, Ludlow Griscom, Wayne Hanley, Stuart K. Harris, Edward G. Hellier, Juliet R. Kellogg, Richard Kleber, Dr. and Mrs. Stephen Maddock, Allen H. Morgan, Mr. and Mrs. H. L. Strickland, Donald Strickland, John Wills.

41. Northampton, Mass. (same circle as in last 21 years).—Jan. 1; 6 a.m. to 5 p.m. Clear; temp. 9° to 17°; wind N, 10 m.p.h.; ground bare, water areas almost all frozen. Fifty-six observers in 15 parties, the rest at home feeding stations. Mallard, 17 (including hybrid: Mallard x Black Duck); Black Duck, 300; **Wood Duck,** 2; Am. Golden-eye, 2; Am. Merganser, 6; Cooper's Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 9; Ruffed Grouse, 1; Ring-necked Pheasant, 79; Mourning Dove, 40; Screech Owl, 2; Horned Owl, 6; Yellow-shafted Flicker, 1; Pileated Woodpecker, 4; Hairy Woodpecker, 33; Downy Woodpecker, 56; Horned Lark, 200; Blue Jay, 338; Am.

Crow, 1550; Black-capped Chickadee, 415; White-breasted Nuthatch, 44; Red-breasted Nuthatch, 2; Brown Creeper, 11; Winter Wren, 1; **Carolina Wren,** 2 (steady at feeder in Amherst); Am. Robin, 4; Golden-crowned Kinglet, 12; Gray Shrike, 3; Loggerhead Shrike, 2; Common Starling, 1850; House Sparrow, 1200; Eastern Meadowlark, 31; Brown-headed Cowbird, 1; Evening Grosbeak, **945**; Purple Finch, 3; Pine Grosbeak, 17; Common Redpoll, 11; Am. Goldfinch, 317; White-winged Crossbill, 4; Slate-colored Junco, 377; Am. Tree Sparrow, 670; White-throated Sparrow, **37**; Song Sparrow, 16. **Total,** 44 species (plus a hybrid) about 8623 individuals. (Present, but missed today: Barred Owl, Belted Kingfisher, Field Sparrow, Swamp Sparrow, Lapland Longspur. Shot within period: Pintail, Ruddy Duck, Cooper's Hawk.)—Mr. and Mrs. R. L. Ballman, Rudolph H. Stone, Samuel A. Eliot (compiler).

42. Quincy, Mass. (Squantum, Moon Island, Wollaston, Milton, Braintree, Hingham, Hull; shore 60%, salt marsh 10%, open woods and park 25%, residential 5%).—Dec 26; 7 a.m. to 5 p.m. Clear to partly cloudy; temp. 18° to 30°; wind NW, 10-25 m.p.h.; fresh water and some salt water frozen. Nine observers in 3 parties. Total party-hours, 29 (19 on foot, 10 by car); total party-miles, 155 (8 on foot, 147 by car). Common Loon, 5; Red-throated Loon, 1; Horned Grebe, 27; European Cormorant, 3; Great Blue Heron, 1; Black-crowned Night Heron, 28; Mallard, 7; Black Duck, 652; Greater Scaup, 8550; Am. Golden-eye, 409; Buffle-head, 42; Old-squaw, 8; White-winged Scoter, 35; Surf Scoter, 1; Am. Scoter, 2; Red-breasted Merganser, 183; Sharp-shinned Hawk, 1; Sparrow Hawk, 6; Ring-necked Pheasant, 6; Killdeer, 1; Purple Sandpiper, 58; Sanderling, 2; Glaucous Gull, 1; **Iceland Gull, 1 (Kumlien's);** Great Black-backed Gull, 186; Herring Gull, 7700; Ring-billed Gull, 14; Mourning Dove, 56; Short-eared Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 12; Horned Lark, 44; Blue Jay, 82; Am. Crow, 53; Black-capped Chickadee, 103; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 3; Am. Robin, 21; Hermit Thrush, 2; Cedar Waxwing, 5; Gray Shrike, 1; Common Starling, 40,000; Myrtle Warbler, 10; House Sparrow, 698; Eastern Meadowlark, 25; Evening Grosbeak, 72; Purple Finch, 22; Pine Siskin, 5; Am. Goldfinch, 66; Savannah Sparrow, 4; **Vesper Sparrow,** 1; Slate-colored Junco, 199; Am. Tree Sparrow, 112; White-throated Sparrow, 49; Swamp Sparrow, 5; Song Sparrow, 41; Lapland Longspur, **75**; Snow Bunting, 3. **Total,** 60 species; about 59,711 individuals.—R. Fox, S. Higginbotham, J. Howland, J. Kenneally, L. Lee, D. Mills, J. O'Regan, E. Romaine, G. Wilson.

43. Springfield, Mass. (15-mile diameter circle centered one mile west of Pine Point, Springfield; same as previously reported under Holyoke but more territory covered east and west of Conn. River; mixed woodland 35%, residential 15%, river 25%, city park 15%, fields 10%).—Jan. 2; 7 a.m. to 4 p.m. Clear; temp. 1° to 24°; wind N to NE, 4-9 m.p.h.; ground bare, ponds frozen, river with open pools. Forty-two observers in 13 parties. Total party-hours, 78 (46 on foot, 32 by car); total party-miles, 405 (95 on foot, 310 by car). Canada Goose, 7 (feral); Mallard, 150 (many feral); Black Duck, 210; Pintail, 1; **Wood Duck, 2**; Am. Golden-eye, 2; Am. Merganser, 188; Goshawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Bald Eagle, **3**; Sparrow Hawk, 11; Ruffed Grouse, 4; Ring-necked Pheasant, 14; **Iceland Gull,** 1; Herring Gull, 500; Ring-billed Gull, 2; Mourning Dove, 7; Belted Kingfisher, 3; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 25; Downy Woodpecker, 39; Horned Lark, 24; Blue Jay, 387; Am. Crow, 500; Black-capped Chickadee, 248; **Tufted Titmouse,** 1; White-breasted Nuthatch, 54; Red-breasted Nuthatch, 5; Brown Creeper, 8; Carolina Wren, 1; Am. Robin, 2; Golden-crowned Kinglet, 12; Gray Shrike, 3; **Loggerhead Shrike,** 1; Common Starling, 4000; House Sparrow, 700; Eastern Meadowlark, 6; Purple Grackle, **5**; Evening Grosbeak, 290; Purple Finch, 44; Pine Grosbeak, 3; Am. Goldfinch, 9; Eastern Towhee, 1; Slate-colored Junco, 242; Am. Tree Sparrow, 400; White-throated Sparrow, 33; Swamp Sparrow, 1; Song Sparrow, 37. **Total,** 50 species; about 8192 individuals. (Seen during period: Green-winged Teal, Hooded Merganser, Great Black-backed Gull.)—Mr. and Mrs. H. Arthur Avery, R. L. Ballman (compiler), Mrs. F. A. Barth, Mr. and Mrs. M. R. Bates, Mrs. M. C. Blake, Mrs. G. H. Brackett, B. G. Breitung, E. A. Brown, M. E. Brown, N. Clark, R. L. Clifford, J. Councill, Mrs. W. T. Duncan, Mr. and Mrs. K. Eaton, M. S. Field, Mrs. J. W. Frisbie, Mrs. L. Gansauge, Mrs. R. W. Gere, Mrs. G. Hamel, Mrs. W. O. Harvey, F. Johnson, Mrs. M. J. Kelz, Mr. and Mrs. R. Labonte, L. Longley, R. I. Longley, M. A. Potter, A. D. Robinson, Mr. H. W. Schold, R. Stone, O. Thyberg, G. C. Todd, W. L. Tompkins, Jr., Mr. and Mrs. D. C. Trombla, M. A. Tyler, F. B. Wight, F. G. Wood, G. Keir.

44. Ware, Mass. (east to Hardwick, West Brookfield and Warren, south on Ware River to Palmer Airport, north along Muddy Brook to Hardwick Pond, west to Lower Quabbin Reservoir and watershed; town gardens 5%, farmland 20%, woodland 15%, marsh 20%, reservoirs and watersheds 40%).—Jan. 2; 7 a.m. to 4 p.m. Fair to lightly overcast; temp. −5° to 32°; wind NW, 0-5 m.p.h.; ground bare, waters frozen except swiftest rapids. Eleven observers in 5 parties. Total party-hours, 36 (15 on foot, 21 by car); total party-miles, 60 (25 on foot, 35 by car). Pied-billed Grebe, 1; Mallard, 49; Black Duck, 600; Ring-necked Duck, 3; Am. Golden-eye, 3; Am. Merganser, 400; Goshawk, 1; Red-tailed Hawk, 7; Bald Eagle, 3; Ruffed Grouse, 3; **Wilson's Snipe,** 1; Herring Gull, 150; Horned Owl, 3; Hairy Woodpecker, 9; Downy Woodpecker, 18; Blue Jay, 115; Am. Crow, 73; Black-capped Chickadee, 149; White-breasted Nuthatch, 13; Red-breasted Nuthatch, 13; Brown Creeper, 1; Am. Robin, 1; Golden-crowned Kinglet, 7; Common Starling, 337; House Sparrow, 164; Evening Grosbeak, 215; Pine Grosbeak, 12; Pine Siskin, 1; Am. Goldfinch, 172; Slate-colored

Junco, 78; Am. Tree Sparrow, 155; White-throated Sparrow, 1; Song Sparrow, 3; Snow Bunting, 25. **Total**, 34 species; about 2786 individuals.—L. G. Albertine, M. E. Albertine, S. T. Berube, W. H. Berube, L. A. Campbell, L. M. Campbell, D. D. Conkey, J. H. Conkey (compiler), M. A. Descoteaux, N. A. Descoteaux, M. D. Granger (Quabbin Bird Club).

45. **Worcester, Mass.** (including West Boylston and Boylston, all within 15-mile diameter).—Dec. 31; 8:05 a.m. to 4:20 p.m. Cloudy to sunny; temp. 10° to 24°; wind NW, 4 m.p.h.; trace of powdered snow afoot, reservoirs and ponds 98% frozen. Two observers in 1 party. Total party-hours, 8¼ (4 on foot, 4¼ by car); total party-miles, 63¾ (¾ on foot, 63 by car). Mallard, 35; Black Duck, 50; Greater Scaup, 1; Am. Merganser, 45; Ring-necked Pheasant, 4; Herring Gull, 8; Downy Woodpecker, 1; Blue Jay, 15; Am. Crow, 13; Black-capped Chickadee, 16; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 1; Brown Creeper, 1; Golden-crowned Kinglet, 1; Common Starling, 38; House Sparrow, 24; Evening Grosbeak, 22; Pine Grosbeak, 7; Am. Goldfinch, 20; Slate-colored Junco, 4; Am. Tree Sparrow, 5; **Field Sparrow,** 3 (carefully studied); Song Sparrow, 1. **Total,** 23 species; 308 individuals. —Davis H. Crompton (compiler), Francis X. McMenemy.

46. **Newport County, R. I., and Westport, Mass.** (same area as last 6 years).—Dec. 26; 6:30 a.m. to 5 p.m. Clear; temp. 20° to 22°; wind NW, 15 m.p.h.; ground bare, inland ponds frozen, coastal pond with small leads; coldest December since 1910. Thirty-one observers in 8 parties. Total party-hours, 96 (59 on foot, 37 by car); total party-miles, 373 (78 on foot, 295 by car). Common Loon, 79; Red-throated Loon, 39; Red-necked Grebe, 11; Horned Grebe, **605**; **Eared Grebe,** 1 (carefully studied—H.E.C.); Pied-billed Grebe, 2; European Cormorant, 92; Great Blue Heron, 24; Black-crowned Night Heron, 3; Am. Bittern, 2; Mute Swan, 32; Canada Goose, 481; **Snow Goose,** 2; Mallard, 23; Black Duck, 926; European Widgeon, 1; Am. Widgeon, 935; Pintail, 33; Green-winged Teal, 8; **Wood Duck,** 2; Redhead, 50; Canvas-back, 8; Greater Scaup, 970; Lesser Scaup, 2; Am. Golden-eye, 618; Buffle-head, 122; **Harlequin Duck,** 2; Common Eider, 29; White-winged Scoter, 753; Surf Scoter, 520; Am. Scoter, 58; Ruddy Duck, 4; Hooded Merganser, 5; Am. Merganser, 169; Red-breasted Merganser, 437; **Goshawk,** 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 14; Red-shouldered Hawk, 5; Bald Eagle, 1; Marsh Hawk, 8; Sparrow Hawk, 22; Ruffed Grouse, 1; Ring-necked Pheasant, 33; Clapper Rail, 1; Virginia Rail, 4; Am. Coot, 82; Killdeer, 54; Wilson's Snipe, 11; Purple Sandpiper, 86; Red-backed Sandpiper, 290; Sanderling, 3; Great Black-backed Gull, 121; Herring Gull, 3072; Ring-billed Gull, 112; **Black-headed Gull,** 1 (carefully studied at close range); **Laughing Gull,** 2 (very late); Bonaparte's Gull, 318; Razor-billed Auk, 1; Mourning Dove, 137; Barn Owl, 2; Screech Owl, 2; Horned Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 20; Hairy Woodpecker, 5; Downy Woodpecker, 29; Horned Lark, 315; Blue Jay, 57; Am. Crow, 1492; Black-capped Chickadee, 183; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 1; Brown Creeper, 2; **House Wren,** 1 (J.B.); Carolina Wren, 11; Long-billed Marsh Wren, 4; Catbird, 5; Brown Thrasher, 1; Am. Robin, 120; Hermit Thrush, 3; Golden-crowned Kinglet, 15; Water Pipit, 5; Loggerhead Shrike, 1; Common Starling, 2496; Myrtle Warbler, 85; Palm Warbler, 12; House Sparrow, 740; Eastern Meadowlark, 161; Brown-headed Cowbird, 124; **Dickcissel,** 1 (at feeder for 2 weeks); Evening Grosbeak, 23; Purple Finch, 16; Pine Siskin, 2; Am. Goldfinch, 344; Eastern Towhee, 9; Ipswich Sparrow, 2; Savannah Sparrow, 19; Sharp-tailed Sparrow, 5; Vesper Sparrow, 6; **Lark Sparrow,** 1 (carefully studied—R.F., R.W.); Slate-colored Junco, 330; Am. Tree Sparrow, 480; Chipping Sparrow, 2; Field Sparrow, 27; White-throated Sparrow, 279; Fox Sparrow, 5; Swamp Sparrow, 22; Song Sparrow, 260; Snow Bunting, 5. **Total,** 112 species; about 19,177 individuals. [Excellent details submitted for all unusual observations—Ed.]—J. Baird, R. Bowen, B. D. Bryan, H. E. Childs, R. C. Clement (compiler), T. M. and Mrs. Curry, Jr., S. S. Dana, Mrs. A. G. Davenport, W. B Dean, W. H. Drury, Jr., D. L. Emerson, R. Ferren, C. C. Gardiner, H. J. and Mrs. Gates, N. P. Hill, D. L. Kraus, H. L. Murdock, F. Perry, G. Rae, B. S. Ridgely, Mrs. J. Riley, M. B. and Mrs. Smith, W. Taber, G. F. Troy, E. G. Weeks, R. West, C. Wood, R. Woodruff (Audubon Society of Rhode Island).

47. **South Kingstown, R. I.** (same area as last five years).—Jan. 2; 6 a.m. to 5 p.m. Clear to partly cloudy; temp. 0° to 25°; wind NNE, 2-3 m.p.h.; ground bare, fresh ponds frozen, brackish ponds and inlets 80% frozen. Seventeen observers in 4 parties. Total party-hours, 40 (29 on foot, 11 by car); total party-miles, 185 (25 on foot, 160 by car). Common Loon, 20; Red-throated Loon, 22; Red-necked Grebe, 1; Horned Grebe, 97; Pied-billed Grebe, 8; Gannet, 1; European Cormorant, 118; Great Blue Heron, 12; Am. Bittern, 1; Mute Swan, 5; Canada Goose, 65; Mallard, 27; Black Duck, 1115; Am. Widgeon, 56; Pintail, 1; Green-winged Teal, 8; Redhead, 6; Ring-necked Duck, 4; Canvas-back, 7; Greater Scaup, 650; Am. Golden-eye, 595; Buffle-head, 47; Common Eider, 2; **King Eider,** 1 (J. B. party); White-winged Scoter, 535; Am. Scoter, 4; Am. Merganser, 72; Red-breasted Merganser, 625; Red-tailed Hawk, 4; Red-shouldered Hawk, 3; Marsh Hawk, 3; Sparrow Hawk, 8; Bob-white, 19; Ring-necked Pheasant, 2; Virginia Rail, 1; Am. Coot, 1; Killdeer, 3; **Am. Woodcock,** 1; Wilson's Snipe, 4; Purple Sandpiper, 105; Red-backed Sandpiper, 6; **Iceland Gull,** 1; Great Black-backed Gull, 50; Herring Gull, 770; Ring-billed Gull, 14; Bonaparte's Gull, 18; alcid (sp.), 1; Mourning Dove, **240**; Screech Owl, 1; Horned Owl, 1; Barred Owl, 2; Belted Kingfisher, 6; Yellow-shafted Flicker, 8; Hairy Woodpecker, 3; Downy Woodpecker, 18; Horned Lark, 375; Blue

Jay, 50; Am. Crow, 390; Black-capped Chickadee, 100; White-breasted Nuthatch, 4; Winter Wren, 8; **Carolina Wren,** 2; Catbird, 2; Am. Robin, 86; Eastern Bluebird, 2; Golden-crowned Kinglet, 14; Loggerhead Shrike, 2; Common Starling, 695; Myrtle Warbler, 31; **Palm Warbler,** 4; House Sparrow, 415; Eastern Meadowlark, 96; Red-winged Blackbird, 25; Brown-headed Cowbird, 20; Evening Grosbeak, 20; Purple Finch, 3; Am. Goldfinch, 230; Eastern Towhee, 6; Ipswich Sparrow, 2; Savannah Sparrow, 14; **Vesper Sparrow,** 2; Slate-colored Junco, 150; Am. Tree Sparrow, 380; Field Sparrow, 25; White-throated Sparrow, 120; Fox Sparrow, 2; Swamp Sparrow, 10; Song Sparrow, 105; **Lapland Longspur,** 2; Snow Bunting, 40. **Total,** 90 species; about 8830 individuals. (Seen in area during period: Black-crowned Night Heron, Ruddy Duck, Hermit Thrush, Purple Grackle.)—J. Baird, Mr. and Mrs. T. M. Curry, Jr., Mrs. A. G. Davenport, Eleanor Dearborn, R. L. Ferren, Mr. and Mrs. H. Gates, Bob Goodell, D. L. Kraus (compiler), Robert Norton, Mrs. E. G. Parker, Frances Perry, George Rae, Elizabeth Weeks, Richard West, Charles Wood (Little Rest Bird Club).

48. Hartford, Conn. (same area as last year).—Dec. 31; 7 a.m. to 5 p.m. Mostly clear, few snow flurries; temp. 10° to 26°; wind slight. Seventeen observers in 12 parties. Total party-hours, 79 (41 on foot, 38 by car); total party-miles, 364 (71 on foot, 293 by car). Great Blue Heron, 2; Mallard, 212; Black Duck, 350; **Wood Duck,** 2; Am. Golden-eye, 2; Am. Merganser, 234; Cooper's Hawk, 2; Red-tailed Hawk, 5; Red-shouldered Hawk, 7; Bald Eagle, 5; Marsh Hawk, 2; Sparrow Hawk, 22; Ring-necked Pheasant, 40; Killdeer, 3; Wilson's Snipe, 5; **Great Black-backed Gull, 5**; Herring Gull, 308; Ring-billed Gull, 49; Mourning Dove, **178**; Barn Owl, 1; Screech Owl, 3; Barred Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 6; Pileated Woodpecker, 4; Hairy Woodpecker, 33; Downy Woodpecker, 103; Horned Lark, 373; Blue Jay, 306; Am. Crow, 2214; Black-capped Chickadee, 400; White-breasted Nuthatch, 55; Red-breasted Nuthatch, 3; Brown Creeper, 29; Winter Wren, 2; Am. Robin, 5; **Hermit Thrush,** 2; Eastern Bluebird, 34; Golden-crowned Kinglet, 22; Gray Shrike, 2; Common Starling, 4694; Myrtle Warbler, 56; House Sparrow, 1261; Eastern Meadowlark, 8; Red-winged Blackbird, 4; Purple Grackle, 3002; Brown-headed Cowbird, 13; Cardinal, 3; **Dickcissel, 2**; Evening Grosbeak, **815**; Purple Finch, 79; Pine Grosbeak, 4; Pine Siskin, 15; Am. Goldfinch, 108; Eastern Towhee, 2; Savannah Sparrow, 1; Vesper Sparrow, **5**; Slate-colored Junco, 1031; Am. Tree Sparrow, 1587; Field Sparrow, 8; White-throated Sparrow, 216; Fox Sparrow, 3; Swamp Sparrow, 6; Song Sparrow, 199; Lapland Longspur, 2. **Total,** 65 species; about 18,157 individuals.—Mrs. H. P. Austin, Mrs. Pauline Bartman, Mrs. Robert Belden, E. A. Bergstrom, Mrs. E. A. Bergstrom, Charles Dawson, Leo Des Jardins, Percy Fellows, Mrs. Leonard I. French, Mrs. L. T. Goodrich (compiler), Mrs. Norman Newton, Mrs. T. B. Rhines, Mrs. R. J. Risley, Mrs. R. C. Simmons, Mrs. Percival Stark, Barbara Tinkham, Lee Jay Whittles (Hartford Bird Study Club).

49. Litchfield County, Conn. (7½-mile radius centering at top of Wheeler Hill north of Bantam Lake, including all of Morris, parts of Litchfield, Torrington, Goshen, Warren, Washington, Bethlehem, small areas in Cornwall, Watertown, Thomaston, Harwinton; open deciduous woods 40%, brushland 25%, coniferous woods 2%, suburban 1%, freshwater ponds and swamps 8%, fields and pastures 24%).—Dec. 26; 8 a.m. to 5 p.m. Mostly clear; temp. 10° to 30°; wind N, 0-10 m.p.h.; water frozen except small section of Bantam River, ground mostly bare. Sixteen observers in 8 parties. Total party-hours, 39 (29 on foot, 10 by car); total party-miles, 184 (30 on foot, 154 by car). Mallard, 249; Black Duck, 1; **Wood Duck,** 1; Canvas-back, 9; Red-tailed Hawk, 5; **Broad-winged Hawk,** 1 (R.M.) [very few authentic records in winter anywhere in New England—Ed.]; Ruffed Grouse, 6; Ring-necked Pheasant, 4; **Laughing Gull,** 1 (R.C., S.R.L.); Screech Owl, 1; Horned Owl, 2; Yellow-shafted Flicker, 2; Hairy Woodpecker, 9; Downy Woodpecker, 15; Blue Jay, 65; Am. Crow, 147; Black-capped Chickadee, 193; **Tufted Titmouse,** 1; White-breasted Nuthatch, 12; Brown Creeper, 1; Winter Wren, 1; **Catbird,** 1; Am. Robin, 2; Golden-crowned Kinglet, 5; Common Starling, 91; House Sparrow, 273; Cardinal, 1; Evening Grosbeak, **264**; Purple Finch, 4; Pine Grosbeak, 32; Pine Siskin, 35; Am. Goldfinch, 33; **Eastern Towhee,** 1; Slate-colored Junco, 91; Am. Tree Sparrow, 120; **Chipping Sparrow,** 6 (J.M.); Song Sparrow, 3. **Total,** 37 species; about 1688 individuals. (Seen during census period: Sparrow Hawk, Belted Kingfisher, Gray Shrike, Brown-headed Cowbird, White-throated Sparrow; at feeders just outside circle: Carolina Wren, Red-breasted Nuthatch, Ruby-crowned Kinglet, Eastern Bluebird.)—William Bader, Roger Clapp, Mr. and Mrs. Jean Dautrich, Sidney A. Hessel (compiler), Mrs. W. Prescott Hubbard, Samuel N. Lincoln, Mr. and Mrs. S. R. Lincoln, Arnold E. Lundberg, Mr. and Mrs. Reginald Miles, Jesse Morse, Ingersoll Townsend, Mrs. Fred Wheaton, Guy Whittall.

50. New Haven, Conn. (7½-mile radius same as previous years; L. I. Sound and shore 32%, upland woods 20%, bottomland woods 8%, fields and hedge rows 16%, marsh 16%, ponds and lakes 8%).—Dec. 31; 6:30 a.m. to 4:45 p.m. Cloudy, snow flurries, clear; temp. 14° to 28°; wind SW, 16 m.p.h.; ponds and lakes frozen, 1-in. snow on ground. Sixteen observers in 5 parties. Total party-hours, 48 (26 on foot, 22 by car; total party-miles, 302 (24 on foot, 278 by car). Red-throated Loon, 1; Horned Grebe, 71; Great Blue Heron, 1; Black-crowned Night Heron, 2; Mallard, 15; Black Duck, 837; Am. Widgeon, 56; Pintail, 2; **Wood Duck,** 1; Ring-necked Duck, 4; Canvas-back, **146**; Greater Scaup, 7245; Lesser Scaup, 61; Am. Golden-eye, 407; Buffle-head, 104; Old-squaw, 2; White-winged Scoter, 68; Hooded Merganser, 1; Am. Merganser, 15; Red-breasted Merganser, 80; **Goshawk,** 1; Sharp-shinned

Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 6; Red-shouldered Hawk, 1; Sparrow Hawk, 7; Ruffed Grouse, 1; **Virginia Rail,** 1; Am. Coot, 2; Killdeer, 6; Great Black-backed Gull, 36; Herring Gull, 1050; Ring-billed Gull, 173; **Laughing Gull,** 1; Bonaparte's Gull, 11; Mourning Dove, 8; Belted Kingfisher, 9; Yellow-shafted Flicker, 4; Hairy Woodpecker, 13; Downy Woodpecker, 32; Horned Lark, 33; Blue Jay, 202; Am. Crow, 893; Black-capped Chickadee, 171; White-breasted Nuthatch, 17; Red-breasted Nuthatch, 2; Brown Creeper, 5; Winter Wren, 2; Brown Thrasher, 1; Am. Robin, 12; Hermit Thrush, 2; Eastern Bluebird, 17; Golden-crowned Kinglet, 11; Common Starling, 3430; Myrtle Warbler, 3; House Sparrow, 378; Eastern Meadowlark, 19; Red-winged Blackbird, 100; **Rusty Blackbird,** 1; Purple Grackle, 200; Brown-headed Cowbird, 164; Cardinal, 6; **Dickcissel,** 1 (at feeder); Evening Grosbeak, 33; Purple Finch, 29; **Common Redpoll,** 1; Am. Goldfinch, 150; Eastern Towhee, 3; Slate-colored Junco, 225; Am. Tree Sparrow, 527; Field Sparrow, 19; White-throated Sparrow, 157; Fox Sparrow, 3; Swamp Sparrow, 5; Song Sparrow, 71; Snow Bunting, 2. **Total,** 76 species; about 17,378 individuals. (Peregrine Falcon in area week of count.) —I. R. Barnes, A. R. and C. B. Bellinger, R. E. Feineman (compiler), J. B. Goetsch, E. A. Hall, M. and S. Isler, E. Kelsey, A. Kidwell, E. Severinghaus, E. W. Sinnott, Jr., Mrs. Paul Stephenson, W. Stoddard, J. Ulman, Jr., B. Ulman.

51. **New London, Conn.** (7½-mile radius centering on Willetts and Ocean Aves., including shore and marshes from Masons Island to Rocky Neck State Park, Thames River north to Gales Ferry, Bride Lake, Conn. College Campus).—Dec. 27; 6:30 a.m. to 5:30 p.m. Clear; temp. 8° to 22°; wind N to NW, 5-35 m.p.h.; ground bare, fresh water frozen except a few rapidly-running streams. Nineteen observers in 6 parties. Total party-hours, 26 (7 on foot, 19 by car); total party-miles, 126 (6 on foot, 120 by car). Common Loon, 4; Red-throated Loon, 4; Horned Grebe, 135; Pied-billed Grebe, 3; European Cormorant, 3; cormorant (sp.), 3; Great Blue Heron, 6; **Black-crowned Night Heron,** 1; Mute Swan, 42; Mallard, 201; Black Duck, 264; **European Widgeon,** 2 (present for weeks); Am. Widgeon, 22; Green-winged Teal, 1; Redhead, 1; Canvas-back, 1; Greater Scaup, 221; Lesser Scaup, 329; Am. Golden-eye, 191; Buffle-head, 169; **Common Eider, 20;** White-winged Scoter, 4; Surf Scoter, 5; Am. Scoter, 17; Hooded Merganser, 2; Am. Merganser, 21; Red-breasted Merganser, 186; Red-tailed Hawk, 1; Sparrow Hawk, 1; Bob-white, 1; Ring-necked Pheasant, 7; Am. Coot, 3; Great Black-backed Gull, 27; Herring Gull, 1254; Ring-billed Gull, 107; Laughing Gull, 4; Mourning Dove, 1; Belted Kingfisher, 9; Yellow-shafted Flicker, 2; Hairy Woodpecker, 4; Downy Woodpecker, 10; Horned Lark, 6; Blue Jay, 60; Am. Crow, 50; Fish Crow, 8; Black-capped Chickadee, 68; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 7; Brown Creeper, 1; Carolina Wren, 3; Am. Robin, 3; Hermit Thrush, 1; Eastern Bluebird, 3; Ruby-crowned Kinglet, 1; Common Starling, 363; **Yellow-breasted Chat,** 2 (present all month); Myrtle Warbler, 16; House Sparrow, 400; Eastern Meadowlark, 2; Red-winged Blackbird, 1; Brown-headed Cowbird, 10; Evening Grosbeak, **119;** Purple Finch, 7; Am. Goldfinch, 1; Eastern Towhee, 6; Slate-colored Junco, 113; Am. Tree Sparrow, 11; Field Sparrow, 2; White-throated Sparrow, 153; Fox Sparrow, 11; Song Sparrow, 33; Snow Bunting, 39. **Total,** 71 species; about 4795 individuals. (Cardinal, Ruffed Grouse seen during report period.)—Mr. and Mrs. W. Brown, B. A. Copp, Mr. and Mrs. F. Eastman, L. Garrett, R. H. Goodwin (compiler), R. H. Goodwin, Jr., B. R. Kashanski, R. Maynard, J. S. Merrill, Mrs. J. Meyers, S. Miller, W. A. Niering, Mrs. M. W. Peterson, M. Putnam, Mrs. Roach, P. H. R. Waldron, Mrs. D. Wallace.

52. **Oxford, Conn.** (area enclosed by and adjacent to Route 188, Edmonds Road, Eight Mile Brook, O'Neill Road, Copper Mine Road, Housatonic River; same area as 1928; brush land 50%, woodland 25%, open land 10%, suburban 5% [10% = ?—Ed.]).—Dec. 24; 7:30 a.m. to 5 p.m. Cloudy, clearing, p.m.; temp. 21° to 32°; wind W, 0-7 m.p.h.; ponds frozen, river partly open, 3-in. snow. One observer. Total hours, 9½; total miles, 18 (all on foot). Black Duck, 4; Am. Merganser, 25; Sparrow Hawk, 1; Ruffed Grouse, 2; Herring Gull, 6; Belted Kingfisher, 1; Hairy Woodpecker, 1; Downy Woodpecker, 3; Blue Jay, 52; Am. Crow, 28; Black-capped Chickadee, 65; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 1; Eastern Bluebird, 4; Golden-crowned Kinglet, 1; Gray Shrike, 1; Common Starling, 63; Myrtle Warbler, 8; House Sparrow, 36; Am. Goldfinch, 2; Slate-colored Junco, 83; Am. Tree Sparrow, 37; Field Sparrow, 1; White-throated Sparrow, 6; Song Sparrow, 4. **Total,** 25 species; 439 individuals.—Alfred P. Harger.

53. **Saybrook, Conn.** (7½-mile radius including L. I. Sound from Lyme to Hammonasset Beach, Conn. River north to Cheshire and Hadlyme; shore and sound 30%, river 15%, marsh 10%, fields and fencerows 13%, bottomland woods 12%, upland woods 20%).—Dec. 26; 6 a.m. to 5:15 p.m.; temp. 18° to 30°; wind NW, 10-12 m.p.h.; ponds and bays frozen, river above Essex frozen, trace of snow. Nine observers in 4 parties. Total party-hours, 33 (20 on foot, 13 by car); total party-miles, 174 (20 on foot, 154 by car). Common Loon, 4; Red-throated Loon, 25; Horned Grebe, 37; Pied-billed Grebe, 6; European Cormorant, 1; Great Blue Heron, 3; Mallard, 12; Black Duck, 970; Pintail, 18; Canvas-back, 1; Greater Scaup, 107; Am. Golden-eye, 292; Buffle-head, 86; Old-squaw, 32; White-winged Scoter, 13; Surf Scoter, 21; Ruddy Duck, 68; Hooded Merganser, 1; Am. Merganser, 239; Red-breasted Merganser, 95; Goshawk, 1 (imm.); Sharp-shinned Hawk, 1; Red-tailed Hawk, 8; Red-shouldered Hawk, 3; Bald Eagle, 2; Sparrow Hawk, 3; Ruffed Grouse, 1; Virginia Rail, 3; Am. Coot, 4; Great Black-backed Gull, 74; Herring Gull, 1287; Ring-billed Gull, 116; Mourning Dove, 2; Horned Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 5; Hairy Wood-

pecker, 4; Downy Woodpecker, 9; Horned Lark, 34; Blue Jay, 130; Am. Crow, 94; Black-capped Chickadee, 73; White-breasted Nuthatch, 4; Winter Wren, 4; Carolina Wren, 9; Catbird, 1; Am. Robin, 19; Eastern Bluebird, 47; Common Starling, 451; Myrtle Warbler, 23; House Sparrow, 74; Eastern Meadowlark, 6; Red-winged Blackbird, 40; Brown-headed Cowbird, 3; Cardinal, 2; Evening Grosbeak, 29; Purple Finch, 10; Pine Siskin, 1; Am. Goldfinch, 42; Vesper Sparrow, 1; Slate-colored Junco, 98; Am. Tree Sparrow, 250; Field Sparrow, 30; White-throated Sparrow, 74; Fox Sparrow, 1; Swamp Sparrow, 15; Song Sparrow, 56; Snow Bunting, 85. **Total,** 68 species; about 5263 individuals.—Irston R. Barnes, Mrs. Pauline Bartman, Samuel A. Galpin, Charles E. Huntington, Morton L. Isler, Mrs. Roger Tory Peterson, Mrs. Thomas B. Rhines, Mrs. Paul Stephenson, Lee Jay Whittles.

54. Westport, Conn. (area and percentages same as past 4 years).—Dec. 31; 7:30 a.m. to 4:45 p.m. Clear; temp. 16° to 28°; wind NW, 10-15 m.p.h.; ground mostly bare, inland water frozen except small area in Saugatuck Reservoir. Forty-five observers in 22 parties. Total party-hours, 103 (62 on foot, 38 by car, 3 by horseback); total party-miles, 531 (75 on foot, 446 by car, 10 on horseback). Red-throated Loon, 2; Red-necked Grebe, 21; Horned Grebe, 98; European Cormorant, 7; Great Blue Heron, 1; Black-crowned Night Heron. 19; Am. Bittern, 1; Mute Swan, 14; Canada Goose, 1; Mallard, 933; Black Duck, 1785; Am. Widgeon, 10; Pintail, 1; Green-winged Teal, 1; Redhead, 1; Greater Scaup, 1308; Am. Golden-eye, 95; Buffle-head, 94; Old-squaw, 75; White-winged Scoter, 320; Surf Scoter, 64; Am. Scoter, 1; Hooded Merganser, 13; Am. Merganser, 68; Red-breasted Merganser, 57; **Goshawk, 2**; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 3; Red-shouldered Hawk, 17; **Broad-winged Hawk, 1** (J.Y., P.C.S.—carefully identified); **Pigeon Hawk, 1** (M.K.); Sparrow Hawk, 7; Ruffed Grouse, 10; Ring-necked Pheasant, 26; Clapper Rail, 1; Killdeer, 4; Black-bellied Plover, 7; Red-backed Sandpiper, 3; **Glaucous Gull, 1** (M.B., J.F.—carefully identified); **Iceland Gull, 1** (R.L.—carefully identified); Great Black-backed Gull, 22; Herring Gull, 2449; Ring-billed Gull, 67; Mourning Dove, 162; Screech Owl, 1; Horned Owl, 1; Belted Kingfisher, 8; Yellow-shafted Flicker, 9; Pileated Woodpecker, 3; **Yellow-bellied Sapsucker, 3**; Hairy Woodpecker, 89; Downy Woodpecker, 206; Horned Lark, 40; Blue Jay, 557; Am. Crow, 316; Black-capped Chickadee, 1131; Tufted Titmouse, **73**; White-breasted Nuthatch, 274; Red-breasted Nuthatch, 2; Brown Creeper, 12; Winter Wren, 3; Carolina Wren, 3; Catbird, 3; Brown Thrasher, 1; Am. Robin, 43; Hermit Thrush, 2; Eastern Bluebird, 145; Golden-crowned Kinglet, 18; Cedar Waxwing, 23; Gray Shrike, 2; Common Starling, 760; Myrtle Warbler, 11; House Sparrow, 602; Eastern Meadowlark, 10; Red-winged Blackbird, 6; Purple Grackle, 2; Brown-headed Cowbird, 51; Cardinal, 105; Evening Grosbeak, 367; Purple Finch, 165; Pine Grosbeak, 2; Pine Siskin, 24; Am. Goldfinch, 140; Eastern Towhee, 10; Savannah Sparrow, 9; Slate-colored Junco, 944; Am. Tree Sparrow, 735; **Chipping Sparrow,** 11; Field Sparrow, 10; White-throated Sparrow, 318; Fox Sparrow, 19; Swamp Sparrow, 6; Song Sparrow, 124; Snow Bunting, 20. **Total,** 95 species; about 15,197 individuals.—Allison Baker, Mrs. G. H. Baker, Jane Bancroft, F. Benedict, C. Bartow, L. Bradley (compiler), Helen Bristow, Mr. and Mrs. M. Brown, Marthanne Burrow, W. B. Cook, H. Coombs, Lee Coombs, Terry Coombs, Mrs. G. I. Cutler, John Farrand, Bruce Ficke, Susanne Gordon, Mrs. C. F. Gortner, Barbara Gray, H. Gund, Jr., A. P. Harger, R. Halloway, D. Jones, Martha Kline, Mr. and Mrs. R. S. Lemmon, H. Logan, Mary Lucas, J. Ludwig, Mrs. R. Macdonald, Mr. and Mrs. B. F. McGucken, C. W. Maschal, J. Norgren, Betty O'Shea, W. Peters, Mrs. J. C. Roop, Mrs. E. Rover, P. Sauer, J. Schelling, P. C. Spofford, A. Wolf, J. Young, G. Zepko.

55. Atlantic Ocean off L. I., N. Y. (15-mile diameter circle centered 12 miles south of Jones Inlet; open ocean 100%).—Jan. 2; 8:30 a.m. to 2:30 p.m. Clear, becoming overcast; temp. 18° to 27°; wind NE, 4-8 m.p.h. Three observers in 1 party. Total party-hours, 6 (all on boat); total party-miles, 27. Common Loon, 5; Red-throated Loon, 1; Horned Grebe, 1; Gannet, 4; Old-squaw, 7; White-winged Scoter, 15; Am. Scoter, 7; Great Black-backed Gull, 75; Herring Gull, 247; Ring-billed Gull, 1; Bonaparte's Gull, 1. **Total,** 11 species; 364 individuals.—Gilbert Cant (compiler), John G. Cant, Guy A. Tudor.

56. Brooklyn, L. I., N. Y. (7½-mile radius centered on Kings Highway and Flatbush Ave.; overlap section east of Cross Bay Blvd. not covered; parks, cemeteries, woods and lawns 10%, landfill operations 30%, salt marsh 20%, sheltered bays 20%, beach 10%, open ocean 10%).—Dec. 31; 7 a.m. to 4:30 p.m. Fair with broken clouds; temp. 15° to 32°; wind NW, 15-20 m.p.h. Twenty-five observers in 9 parties. Total party-hours, 142; total party-miles, 106 (all on foot). Common Loon, 1; Red-throated Loon, 1; Horned Grebe, 160; Pied-billed Grebe, 2; Gannet, 2; European Cormorant, 2; Great Blue Heron, 2; Black-crowned Night Heron, 4; Am. Bittern, 1; Am. Brant, 63; Mallard, 25; Black Duck, 772; Am. Widgeon, 6; Pintail, 2; Redhead, 8; Canvas-back, 99; Greater Scaup, 5909; Lesser Scaup, 8; Am. Golden-eye, 121; Buffle-head, 34; Old-squaw, 55; White-winged Scoter, 461; Surf Scoter, 203; Am. Scoter, 157; Ruddy Duck, 4; Hooded Merganser, 3; Am. Merganser, 8; Red-breasted Merganser, 652; Sharp-shinned Hawk, 1; Marsh Hawk, 16; Sparrow Hawk, 27; Ring-necked Pheasant, 1; Clapper Rail, 2; Am. Coot, 3; Killdeer, 9; Black-bellied Plover, 3; Wilson's Snipe, 1; Purple Sandpiper, **83**; Red-backed Sandpiper, 58; Sanderling, 129; **Iceland Gull,** 1; Great Black-backed Gull, **928**; Herring Gull, 16,000; Ring-billed Gull, 289; Bonaparte's Gull, 348; Mourning Dove, 18; Screech Owl, 2; Short-eared Owl, 5; Saw-whet Owl, 1; Yellow-shafted Flicker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 4; **Western Kingbird,** 1 (present all month, seen by many ob-

servers). Horned Lark, 182; Blue Jay, 20; Am. Crow, 2; Black-capped Chickadee, 4; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 2; Brown Creeper, 1; Winter Wren, 1; Am. Robin, 1; Hermit Thrush, 1; Water Pipit, 3; Common Starling, 37,000; Myrtle Warbler, 29; House Sparrow, **11,040 (actual count!)**; Eastern Meadowlark, 49; Red-winged Blackbird, 14; Brown-headed Cowbird, 300; Cardinal, 1; Pine Siskin, 20; Am. Goldfinch, 39; Ipswich Sparrow, 2; Savannah Sparrow, 342; Sharp-tailed Sparrow, 3; Seaside Sparrow, 2; Vesper Sparrow, 2; Slate-colored Junco, 11; Am. Tree Sparrow, 420; Field Sparrow, 7; White-throated Sparrow, 111; Fox Sparrow, 6; Swamp Sparrow, 2; Song Sparrow, 104; Lapland Longspur, 2; Snow Bunting 7. **Total,** 87 species; about 76,440 individuals. (Seen count period: Red-necked Grebe, Double-crested Cormorant, Snow Goose, Canada Goose, Black-legged Kittiwake, Fish Crow, Long-billed Marsh Wren, House Finch.)—G. Carleton, M. Cashman, R. Clermont, E. Daly, Elizabeth Feldhusen, N. Ferster, Herbert Johnson, D. Kreissman, E. McGovern, M. Methal, H. Meyerdierks, J. Nielsen, M. Noyes, Mrs. Irene Parks, Mr. and Mrs. L. Plotnik, E. Restivo, Lillian Scher, N. Smith, Esther Swayer, Mary Tremaine, R. Janet Watson, Maxwell Wheat, E. J. Whelen (compiler).

57. **Central Suffolk County, L. I., N. Y.** (same area as last year; deciduous woods 25%, cultivated fields 10%, overgrown fields 10%, residential 5%, fresh-water ponds and swamps 20%, bay and salt marsh 20%, outer beach and ocean 10%).—Dec. 26; 6:45 a.m. to 5 p.m. Partly cloudy; temp. 23° to 33°; wind NW, 5-20 m.p.h.; ground partly snow-covered, nearly all fresh water and most of bay frozen. Fourteen observers in 6 parties. Total party-hours, 56 (39 on foot, 14 by car, 3 by boat); total party-miles, 254 (57 on foot, 189 by car, 8 by boat). Common Loon, 7; Horned Grebe, 93; Pied-billed Grebe, 42; Gannet, 1; Double-crested Cormorant, 2; Great Blue Heron, 33; Black-crowned Night Heron, 3; Am. Bittern, 1; Mute Swan, 347; **Whistling Swan,** 1 (D.P.); Canada Goose, 137; Mallard, 133; Black Duck, 1769; Am. Widgeon, 93; Pintail, 55; Green-winged Teal, 14; Redhead, 57; Ring-necked Duck, 9; Canvas-back, 41; Greater Scaup, 1703; Lesser Scaup, 94; Am. Golden-eye, 164; Buffle-head, 85; Old-squaw, 3; White-winged Scoter, 17; Am. Scoter, 4; Ruddy Duck, 86; Hooded Merganser, 4; Am. Merganser, 96; Red-breasted Merganser, 51; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 8; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 10; **Pigeon Hawk,** 1 (J. T. N. party); Sparrow Hawk, 7; Ruffed Grouse, 2; Bob-white, 41; Ring-necked Pheasant, 1; Virginia Rail, 6; Am. Coot, 73; Killdeer, 7; Black-bellied Plover, 2; **Am. Woodcock,** 2; Wilson's Snipe, 4; Purple Sandpiper, 4; Red-backed Sandpiper, 5; Sanderling, 80; Great Black-backed Gull, 94; Herring Gull, 930; Ring-billed Gull, 171; Mourning Dove, 27; Screech Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 11; Hairy Woodpecker, 5; Downy Woodpecker, 13; **Eastern Phoebe,** 1 (seen and heard); Horned Lark, 30; Blue Jay, 72; Am. Crow, 253; Black-capped Chickadee, 97; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 10; Winter Wren, 1; Carolina Wren, 2; Long-billed Marsh Wren, 5; Catbird, 4; Brown Thrasher, 1; Am. Robin, 52; Golden-crowned Kinglet, 6; Gray Shrike, 1; Common Starling, 6806; **Yellow-breasted Chat,** 1 (carefully identified—W.F.D., L.N.); Myrtle Warbler, 17; House Sparrow, 281; Eastern Meadowlark, 148; Red-winged Blackbird, 318; Purple Grackle, 6; Brown-headed Cowbird, 88; Purple Finch, 3; Am. Goldfinch, 25; **Red Crossbill,** 15; Eastern Towhee, 2; Ipswich Sparrow, 1; Savannah Sparrow, 3; Vesper Sparrow, 6; Slate-colored Junco, 211; Am. Tree Sparrow, 196; Field Sparrow, 10; White-throated Sparrow, 80; Fox Sparrow, 12; Swamp Sparrow, 12; Song Sparrow, 50; Snow Bunting, 24. **Total,** 97 species; about 15,510 individuals. (Seen in area count period: Red-shouldered Hawk, Horned Owl, Evening Grosbeak.)—Arthur Cooley, Harold Evans, J. T. Nichols, W. F. Nichols, Larry Penny, Ruth Porter, Dennis Puleston, Dennis E. Puleston, Gilbert S. Raynor (compiler), Paul Stoutenburg, D. L. Weld, Leroy Wilcox, J. Addison Young, David Young.

58. **Montauk, L. I., N. Y.** (same area and habitat distribution as previous years).—Dec. 31; 6:45 a.m. to 4:45 p.m. Overcast, snow flurries; temp. 15° to 25°; wind N to NE, 12-20 m.p.h.; ground with snow patches, fresh and sheltered salt water frozen. Four observers in 1-3 parties. Total party-hours, 20 (16 on foot, 4 by car); total party-miles, 90 (10 on foot, 80 by car). Common Loon, 48; Red-throated Loon, 4; Horned Grebe, 14; Gannet, 3; European Cormorant, 12; Great Blue Heron, 1; Black-crowned Night Heron, 2; Mute Swan, 5; Black Duck, 6; Greater Scaup, 125; Am. Golden-eye, 60; Buffle-head, 1; Old-squaw, 75; **Harlequin Duck,** 1 (N.B.); White-winged Scoter, 750; Surf Scoter, 300; Am. Scoter, 30; Red-breasted Merganser, 62; Marsh Hawk, 2; Sparrow Hawk, 1; Wilson's Snipe, 3; Great Black-backed Gull, 33; Herring Gull, 1500; Ring-billed Gull, 12; Bonaparte's Gull, 75; Belted Kingfisher, 1; Yellow-shafted Flicker, 9; Blue Jay, 23; Am. Crow, 50; Black-capped Chickadee, 16; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 4; **Mockingbird,** 1; Am. Robin, 16; Common Starling, 100; Myrtle Warbler, 300; House Sparrow, 25; Eastern Meadowlark, 12; Rusty Blackbird, 3; Pine Siskin, 13; Am. Goldfinch, 1; **White-winged Crossbill,** 3 (P.B., H.R.); Ipswich Sparrow, 1; Savannah Sparrow, 1; Slate-colored Junco, 20; Am. Tree Sparrow, 130; Field Sparrow, 1; White-throated Sparrow, 15; Swamp Sparrow, 1; Song Sparrow, 20; Snow Bunting, 24. **Total,** 51 species; about 3916 individuals. (Gray Shrike seen in area day of count by other observers.)—N. R. Boyajian (compiler), P. A. Buckley, J. Phelan, H. Ryan.

59. **Northern Nassau County, L. I., N. Y.** (7½-mile radius centering on Matinecock, excluding area north of mid-Sound and West of Shelter Rock Road; habitat percentages as last year but coverage more thorough).—Jan. 2; 6:45 a.m. to 5:30 p.m. Clear with cirrus; temp. 17° to 27°; wind E, 5 m.p.h.;

fresh water largely frozen, much of bay and harbor areas frozen, visibility excellent, trace of snow on ground. Fifty observers (38 in 21 parties, 12 at feeding stations). Total party-hours, 110 (84 on foot, 20 by car, 6 by bicycle); total party-miles, 274 (77 on foot, 187 by car, 10 by bicycle). Common Loon, 5; Red-throated Loon, 5; Red-necked Grebe, 1; Horned Grebe, 102; Pied-billed Grebe, 2; European Cormorant, 15; Great Blue Heron, 10; Black-crowned Night Heron, 9; Mute Swan, 10; Canada Goose, 1; Mallard, 335; Black Duck, 1630; Am. Widgeon, 33; Pintail, 1; Green-winged Teal, 2; Ring-necked Duck, 8; Canvas-back, 37; Greater Scaup, 12,156; Lesser Scaup, 34; Am. Golden-eye, 463; Old-squaw, 54; White-winged Scoter, 633; Surf Scoter, 210; Am. Scoter, 2; Am. Merganser, 13; Red-breasted Merganser, 114; Sharp-shinned Hawk, 4; Cooper's Hawk, 2; Red-tailed Hawk, 5; Red-shouldered Hawk, 4; Marsh Hawk, 2; Sparrow Hawk, 12; Ring-necked Pheasant, 17; Clapper Rail, 1; Am. Coot, 2; Killdeer, 13; **Am. Woodcock,** 2 (carefully identified by 2 parties); Wilson's Snipe, 2; Great Black-backed Gull, 50; Herring Gull, 4289; Ring-billed Gull, 219; Mourning Dove, **282**; Screech Owl, 2; Belted Kingfisher, 9; Yellow-shafted Flicker, 16; **Yellow-bellied Sapsucker,** 3; Hairy Woodpecker, 15; Downy Woodpecker, 114; Horned Lark, 26; Blue Jay, **313**; Am. Crow, 1050; Fish Crow, 15; Black-capped Chickadee, 270; White-breasted Nuthatch, 82; Red-breasted Nuthatch, 18; Brown Creeper, 5; Winter Wren, 3; Carolina Wren, 2; Catbird, **9**; Brown Thrasher, **3**; Am. Robin, **261**; Hermit Thrush, **14**; Eastern Bluebird, 36; Golden-crowned Kinglet, 20; Cedar Waxwing, 18; **Loggerhead Shrike,** 1 (L.W. party); Common Starling, 2152; Myrtle Warbler, 41; House Sparrow, 301; Eastern Meadowlark, 62; **Baltimore Oriole,** 1 (at feeder); Brown-headed Cowbird, **256**; Cardinal, 26; Purple Finch, 13; Common Redpoll, 18; Pine Siskin, 30; Am. Goldfinch, 215; Eastern Towhee, 9; Savannah Sparrow, 2; **Vesper Sparrow,** 15 (P.P.W.); Slate-colored Junco, 1009; **Oregon Junco,** 1 (at feeder for 2 weeks); Am. Tree Sparrow, 554; **Chipping Sparrow,** 2 (carefully identified); Field Sparrow, 48; White-throated Sparrow, 694; Fox Sparrow, 19; Swamp Sparrow, 7; Song Sparrow, 298; Snow Bunting, 86. **Total,** 90 species; about 28,955 individuals. (In area during count period: Sanderling, Bonaparte's Gull, Water Pipit, Red-winged Blackbird, Evening Grosbeak.)—Karl Arbo, Mrs. L. M. Bonnewell, Ella Brown, James Callaghan, Helen Curtice, Leonard Davenport, Aline Dove, Orville Dunning, Mrs. G. Engelfried, Mrs. B. T. Fairchild, Lee Farnham, Geoffrey Gill, Paul H. Gillen, Jr., Fleur Grandjouan, Francis Hiller, Theodore Johnson, Mr. and Mrs. R. Kramer, Margaret Kurtz, Christopher Lamoureux, Mrs. M. Lamoureux, William Larrabee, Stuart Ludlam, Mr. and Mrs. R. E. McClure, Eugene T. Mudge, Jane Niebrugge, John Porter, John Ricks, P. D. Skaar (compiler), Sue Stevens, Mrs. R. M. Stevenson, James Waite, Blanche Warner, Peter P. Wickham, Maurice Wing, Rawson Wood, Leonard Worley (Lyman Langdon Audubon Society).

60. Orient, L. I., N. Y. (area as in 1950).—Dec. 30; 8:30 a.m. to 5:05 p.m. Clear; temp. 23° to 31°; wind strong NW. Two observers in 1 party. Total party-hours, 8½ (5½ on foot, 3 by car); total party-miles, 30 (6 on foot, 24 by car). Common Loon, 9; Horned Grebe, 14; Great Blue Heron, 1; Black Duck, 305; Green-winged Teal, 1; **Wood Duck,** 1; Greater Scaup, 3; Am. Golden-eye, 175; Buffle-head, 3; Old-squaw, 325; **Harlequin Duck,** 1; White-winged Scoter, 1500; Surf Scoter, 130; Am. Scoter, 11; Red-breasted Merganser, 37; Sparrow Hawk, 2; Ring-necked Pheasant, 3; Clapper Rail, 1; Purple Sandpiper, 6; Great Black-backed Gull, 18; Herring Gull, 425; Ring-billed Gull, 17; Hairy Woodpecker, 1; Downy Woodpecker, 2; Horned Lark, 195; Am. Crow, 2; Black-capped Chickadee, 2; Am. Robin, 2; Common Starling, 160; Myrtle Warbler, 4; House Sparrow, 40; Eastern Meadowlark, 5; Am. Tree Sparrow, 18; White-crowned Sparrow, 11 [no details—Ed.]; Song Sparrow, 24; Lapland Longspur, 3; Snow Bunting, **320. Total,** 37 species; about 3777 individuals.—Richard E. Harrison, Robert S. Mathews (compiler).

61. Quogue to Watermill, L. I., N. Y. (same area as last year).—Dec. 30; 7 a.m. to 5 p.m. Cloudy; temp. 24° to 24°; wind NW, 10-20 m.p.h.; Peconic, Mecox and half of Shinnecock Bays frozen over; 1-in. snow on ground. One observer. Total hours, 10; total miles, 91 (5 on foot, 86 by car). Common Loon, 2; Red-throated Loon, 5; Horned Grebe, 65; Pied-billed Grebe, 1; Double-crested Cormorant, 1; Great Blue Heron, 9; Black-crowned Night Heron, 3; Mute Swan, 49; Canada Goose, 600; Am. Brant, 3; Mallard, 13; Black Duck, 62; Redhead, 13; Ring-necked Duck, 2; Greater Scaup, 5000; Am. Golden-eye, 134; Buffle-head, 37; White-winged Scoter, 31; Hooded Merganser, 1; Am. Merganser, 27; Red-breasted Merganser, 30; Cooper's Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 5; Ring-necked Pheasant, 1; Am. Coot, 48; Killdeer, 1; Wilson's Snipe, 5; Red-backed Sandpiper, 15; Sanderling, 60; Great Black-backed Gull, 66; Herring Gull, 1100; Ring-billed Gull, 22; Mourning Dove, 3; Belted Kingfisher, 3; Yellow-shafted Flicker, 9; Downy Woodpecker, 1; Horned Lark, 63; Blue Jay, 4; Am. Crow, 18; Black-capped Chickadee, 11; Red-breasted Nuthatch, 2; Winter Wren, 1; Carolina Wren, 3; Am. Robin, 1; Gray Shrike, 1; Common Starling, 175; Myrtle Warbler, 13; House Sparrow, 14; Eastern Meadowlark, 4; White-winged Crossbill, 1; Savannah Sparrow, 1; Slate-colored Junco, 11; Am. Tree Sparrow, 31; White-throated Sparrow, 6; Swamp Sparrow, 1; Song Sparrow, 8. **Total,** 58 species; about 7799 individuals.—Leroy Wilcox.

62. Smithtown, L. I., N. Y. (7½-mile radius centering on Smithtown, including Nissequogue River area, L. I. Sound shore from Short Beach to Long Beach, Old Field Point, St. James and Stony Brook Harbors; pasture 20%, deciduous farm woodlots 50%, salt marsh 25%, pine grove 5%).—Dec. 28; 4:30 a.m. to 5 p.m. Clear; temp. 16° to 26°; wind NW, 12 m.p.h.; ponds and inland marshes frozen with few exceptions. Four observers in 4 parties. Total

party-hours, 50 (25 on foot, 25 by car); total party-miles, 176 (34 on foot, 142 by car). Common Loon, 9; Red-throated Loon, 1; Horned Grebe, 20; Pied-billed Grebe, 6; Great Blue Heron, 8; Black-crowned Night Heron, 40; Mute Swan, 17; Canada Goose, 10; Mallard, 238; Black Duck, 1400; Am. Widgeon, 110; Pintail, 2; Green-winged Teal, 6; Ring-necked Duck, 96; Canvas-back, 61; Greater Scaup, 721; Lesser Scaup, 3; Am. Golden-eye, 670; Buffle-head, 7; Old-squaw, 310; White-winged Scoter, 585; Surf Scoter, 315; Am. Scoter, 18; Ruddy Duck, 3; Am. Merganser, 7; Red-breasted Merganser, 1150; Cooper's Hawk, 1; Red-tailed Hawk, 2; Sparrow Hawk, 2; Bob-white, 4; Ring-necked Pheasant, 19; Clapper Rail, 2; Am. Coot, 36; Wilson's Snipe, 1; Great Black-backed Gull, 49; Herring Gull, 5800; Ring-billed Gull, 50; Mourning Dove, 103; Screech Owl, 6; Horned Owl, 2; Long-eared Owl, 1; Belted Kingfisher, 4; Hairy Woodpecker, 6; Downy Woodpecker, 11; Eastern Phoebe, 1; Horned Lark, 19; Blue Jay, 58; Am. Crow, 285; Fish Crow, 6; Black-capped Chickadee, 78; White-breasted Nuthatch, 29; Brown Creeper, 2; Winter Wren, 3; Carolina Wren, 6; Long-billed Marsh Wren, 1; Catbird, 2; Am. Robin, 26; Hermit Thrush, 2; Golden-crowned Kinglet, 4; Cedar Waxwing, 1; Common Starling, 90; Myrtle Warbler, 7; House Sparrow, 210; Red-winged Blackbird, 9; Rusty Blackbird, 26; Cardinal, 6; Evening Grosbeak, 4; Purple Finch, 8; Common Redpoll, 1; Pine Siskin, 2; Am. Goldfinch, 88; Eastern Towhee, 1; Savannah Sparrow, 1; Slate-colored Junco, 140; Am. Tree Sparrow, 275; Field Sparrow, 6; White-throated Sparrow, 180; Fox Sparrow, 5; Swamp Sparrow, 6; Song Sparrow, 173; Snow Bunting, 3. **Total,** 81 species; about 13,676 individuals. —James Grier Ralston, Robert Ralston (compiler), Walton B. Sabin, Fritz Scheider.

63. Southern Nassau County, L. I., N. Y. (Atlantic Beach to Jones Beach, north to Garden City and East Meadow, circle center Baldwin; area around Valley Stream omitted for first time; parks and suburban 40%, marshes, bays, beaches 30%, ocean 30%). —Jan. 2; 6 a.m. to 10 p.m. Fair to cloudy; temp. 16° to 29°; wind N, less than 5 m.p.h.; ground bare, ponds 90% frozen. Forty-one observers in 11 parties. Total party-hours, 96 (70 on foot, 16 by car, 10 by boat); total party-miles, 490 (140 on foot, 320 by car, 30 by boat). Common Loon, 20; Red-throated Loon, 12; Red-necked Grebe, 3; Horned Grebe, **289**; Pied-billed Grebe, 27; European Cormorant, 3; Double-crested Cormorant, 2; Great Blue Heron, 58; **Am. Egret,** 4 (also seen before and after count); Black-crowned Night Heron, 42; Am. Bittern, 6; Mute Swan, 28; Canada Goose, 7; Am. Brant, 3629; Mallard, 192; Black Duck, 3572; Gadwall, 18; Am. Widgeon, 157; Pintail, 188; Green-winged Teal, 61; Shoveller, 32; Wood Duck, 3; Redhead, 6; Ring-necked Duck, 23; Canvas-back, 126; Greater Scaup, **5859**; Lesser Scaup, 5; Am. Golden-eye, 95; Buffle-head, 66; Old-squaw, 61; White-winged Scoter, **7175**; Surf Scoter, 56; Am. Scoter, **3122**; Ruddy Duck, 6; Hooded Merganser, 39; Am. Merganser, 260; Red-breasted Merganser, **3085**; Sharp-shinned Hawk, 4; Cooper's Hawk, 2; Marsh Hawk, 20; Sparrow Hawk, 25; **Black Gyrfalcon,** 1 (convincing details submitted by H.F.R.); Ring-necked Pheasant, 2; Clapper Rail, 7; **Florida Gallinule,** 1; Am. Coot, 85; **Piping Plover,** 2 (1 each by two parties in different areas); Killdeer, 8; Black-bellied Plover, **16**; Wilson's Snipe, **16**; Greater Yellow-legs, 2; **Lesser Yellow-legs,** 1; Purple Sandpiper, 73; Red-backed Sandpiper, 73; Sanderling, **388**; **Glaucous Gull,** 1 (carefully identified); **Iceland Gull,** 1 (carefully identified); Great Black-backed Gull, 398; Herring Gull, 9066; Ring-billed Gull, 194; Bonaparte's Gull, 12; Mourning Dove, 137; Barn Owl, 2; Long-eared Owl, 2; Belted Kingfisher, 13; Yellow-shafted Flicker, 21; Hairy Woodpecker, 12; Downy Woodpecker, 27; Horned Lark, 185 (Prairie, 11); Blue Jay, 206; Am. Crow, 75; Fish Crow, 3; Black-capped Chickadee, 74; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 55; Brown Creeper, 2; Winter Wren, 5; Long-billed Marsh Wren, 2; **Mockingbird,** 2; Catbird, 5; Brown Thrasher, 5; Am. Robin, 57; Hermit Thrush, 7; Golden-crowned Kinglet, 5; Cedar Waxwing, 8; shrike, 1 (probbably Gray); Common Starling, 2266; Myrtle Warbler, 221; **Yellow-breasted Chat,** 1; House Sparrow, 948; Eastern Meadowlark, 89; Red-winged Blackbird, 117; Rusty Blackbird, 7; Purple Grackle, 10; Brown-headed Cowbird, 80; Cardinal, 11; Evening Grosbeak, 4; Purple Finch, 2; House Finch, 27; Pine Siskin, 62; Am. Goldfinch, 237; **White-winged Crossbill,** 2 (J.B.); Eastern Towhee, 6; Ipswich Sparrow, 1; Savannah Sparrow, 44; Seaside Sparrow, 3; Vesper Sparrow, 6; Slate-colored Junco, 371; Am. Tree Sparrow, 757; Chipping Sparrow, 3; Field Sparrow, 23; White-throated Sparrow, 257; Fox Sparrow, 74; Swamp Sparrow, 60; Song Sparrow, 477; Snow Bunting, 3. **Total,** 116 species (1 additional subspecies); about 45,821 individuals. (In area during count period: Screech Owl, Bluebird, Red Crossbill.) —Robert S. Arbib, Jr. (compiler), Roy Aranella, Ned R. Boyajian, John L. Bull, Jr., Gilbert Cant, John G. Cant, Irving Cantor, Geoffrey Carleton, Harry Darrow, Reginald Denham, Merril Eisenbud, Elliott Eisenbud, John J. Elliott, Ezra J. Feinberg, Richard E. Harrison, Henry Justus, Peter Kirk, Emanuel Levine, Michael Mackenzie, Frederick Mangels, Robert Mathews, John H. Mayer, Edmund Morgan, Joseph A. Nielsen, William J. Norse, Alan B. Penberthy, Joseph Phelan, Peter Post, G. Roger Priesick, Robert C. Rorden, George C. Rose, Henry F. Ryan, Walter Sedwitz, Mr. and Mrs. Richard A. Sloss, Esther K. Swayer, Wheeler Sweezey, Mary Tremaine, Guy A. Tudor, Janet Watson, Edward Whelen.

64. Binghamton, N. Y. (7½-mile radius centering ½ mile south of East Maine, including Chenango Valley State Park as last year).—Dec. 26; 5:45 a.m. to 5 p.m. Overcast with snow flurries; temp. 10° to 25°; wind NW, 12-33 m.p.h.; ground thinly covered with crusted snow, small streams and ponds frozen, Chenango and Susquehanna Rivers partially frozen. Thirteen observers in 8 parties. Total party-hours, 63 (40 on foot, 23 by car); total party-miles, 353

(38 on foot, 315 by car). Mallard, 21; Black Duck, 57; Am. Merganser, 16; Sparrow Hawk, 2; Ruffed Grouse, 3; Ring-necked Pheasant, 33; Herring Gull, 41; Ring-billed Gull, 4; Horned Owl, 1; Belted Kingfisher, 2; Pileated Woodpecker, 1; Hairy Woodpecker, 10; Downy Woodpecker, 28; Horned Lark, 4; Blue Jay, 79; Am. Crow, 289; Black-capped Chickadee, 178; Tufted Titmouse, 2; White-breasted Nuthatch, 22; Brown Creeper, 6; Carolina Wren, 1; Am. Robin, 6; **Cedar Waxwing, 9**; Gray Shrike, 2; Common Starling, 4399; House Sparrow, 808; Cardinal, 22; Evening Grosbeak, 39; Purple Finch, 1; Am. Goldfinch, 3; Slate-colored Junco, 67; Am. Tree Sparrow, 230; White-throated Sparrow, 2. **Total,** 33 species; about 6388 individuals. (Seen in area during count period: Great Blue Heron.)—L. E. Bemont (compiler). T. Buckley, T. Greene, Mr. and Mrs. V. P. Hannan, Lena Hevey, Mrs. F. Marsi, R. Saunders, Mr. and Mrs. R. Sheffield, Anna Topping, Dr. and Mrs. N. Washburn.

65. Bronx-Westchester Region, N. Y. (same area as in previous years).—Dec. 26; 6 a.m. to 5 p.m. Clear; temp. 22° to 33°; wind NW, 20-30 m.p.h.; ground mostly bare, patches of snow in wooded areas, fresh water frozen, some ice in sheltered salt water. Thirty-four observers in 10 parties. Total party-hours, 64 (40 on foot, 24 by car); total party-miles, 67 (38 on foot, 29 by car). Common Loon, 1; Red-throated Loon, 2; Horned Grebe, 49; Pied-billed Grebe, 8; European Cormorant, 8; Great Blue Heron, 20; Black-crowned Night Heron, 8; Mute Swan, 7; Canada Goose, 206; **Snow Goose,** 1; Mallard, 245; Black Duck, 2500; **European Widgeon,** 1; Am. Widgeon, 56; Pintail, 8; Green-winged Teal, 11; Wood Duck, 2; **Redhead,** 1; Ring-necked Duck, 9; Canvas-back, 1070; Greater Scaup, 7200; Am. Golden-eye, 420; Buffle-head, **166**; Old-squaw, 81; White-winged Scoter, 30; Surf Scoter, 1; Am. Scoter, 1; Ruddy Duck, 73; Hooded Merganser, 46; Am. Merganser, 68; Red-breasted Merganser, 275; **Goshawk,** 1; Cooper's Hawk, 2; Red-tailed Hawk, 13; Red-shouldered Hawk, 4; Sparrow Hawk, 28; **Bob-white,** 3 (*first in 14 years*); Ring-necked Pheasant, 77; Virginia Rail, 3; Killdeer, 42; Wilson's Snipe, 3; Purple Sandpiper, 35; **Glaucous Gull,** 1; **Iceland Gull,** 1; Great Black-backed Gull, 127; Herring Gull, 9400; Ring-billed Gull, 14; Mourning Dove, 83; Screech Owl, 1; Barred Owl, 1; Long-eared Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 7; **Red-headed Woodpecker,** 1 (*first in 19 years*); Hairy Woodpecker, 22; Downy Woodpecker, 74; Horned Lark, 2; Blue Jay, 240; Am. Crow, 210; Fish Crow, 2; Black-capped Chickadee, 275; Tufted Titmouse, **18**; White-breasted Nuthatch, 66; Red-breasted Nuthatch, 6; Brown Creeper, 2; Winter Wren, 3; Catbird, 3; Brown Thrasher, 2; Am. Robin, 37; Hermit Thrush, 6; Eastern Bluebird, 21; Golden-crowned Kinglet, 6; Cedar Waxwing, 9; **shrike** (sp.), 1; Common Starling, 15,000; Myrtle Warbler, 1; House Sparrow, 600; Eastern Meadowlark, 63; Red-winged Blackbird, 290; Rusty Blackbird, 5; **Baltimore Oriole,** 1 (at feeder all month); Purple Grackle, 3; Brown-headed Cowbird, 110; Cardinal, **20**; Purple Finch, 6; Pine Siskin, 1; Am. Goldfinch, 250; Eastern Towhee, 4; Savannah Sparrow, 42; Vesper Sparrow, 3; Slate-colored Junco, 330; Am. Tree Sparrow, 500; **Chipping Sparrow, 3** (carefully identified); Field Sparrow, 52; White-throated Sparrow, 270; Fox Sparrow, 8; Swamp Sparrow, 18; Song Sparrow, 310. **Total,** 99 species (1 additional subspecies); about 41,322 individuals. (Seen in area count period: Clapper Rail, Horned Owl, Common Yellowthroat).—R. Aranella, R. Arbib, V. Bauer, N. Boyajian, P. Buckley, J. Bull (compiler), I. Cantor, G. Carleton, H. Darrow, E. Eisenmann, W. Ephraim, W. Feigin, M. Heffron, R. Herbert, R. Kesner, P. Kirk, G. Komorowski, D. and R. Lehrman, W. Norse, J. Orenstein, H. Paskin, A. Penberthy, J. Phelan, J. Philips, P. Post, M. Russak, G. Schmidt, W. Sedwitz, R. Sloss, J. Stegle, A. Thomas, I. Werner, C. Young.

66. Buffalo, N. Y. (area centering on Grand Island as in previous years; open farmland 40%, deciduous woods 15%, parks 7%, Niagara River and Buffalo Harbor 20%, cattail marshes 1%, city, suburban and industrial areas 17%).—Dec. 26; 6 a.m. to 4:30 p.m. Overcast, intermittent snow a.m.; temp. 19° to 25°; wind S to SW, 10-15 m.p.h. Forty-five observers in 16 parties. Total party-miles, 400 (81 on foot, 319 by car). Common Loon, 6; Horned Grebe, 25; **Pied-billed Grebe,** 2; Great Blue Heron, 6; Black-crowned Night Heron, 1; Mallard, 660; Black Duck, 1093; Gadwall, 1; Pintail, 6; **Wood Duck,** 1; Redhead, 57; Canvas-back, **10,950**; Greater Scaup, 1117; Lesser Scaup, 42; Am. Golden-eye, 2011; Buffle-head, 96; Old-squaw, 72; **White-winged Scoter,** 7; **Surf Scoter,** 1; Am. Scoter, 2; Ruddy Duck, 3; **Hooded Merganser,** 4; Am. Merganser, 203; Red-breasted Merganser, 60; Sharp-shinned Hawk, 1; Red-tailed Hawk, 25; Rough-legged Hawk, 5; Marsh Hawk, 3; Sparrow Hawk, 35; Ruffed Grouse, 1; Ring-necked Pheasant, 47; **Am. Coot,** 7; Glaucous Gull, 8; Iceland Gull, 4 (**Kumlien's,** 1); Great Black-backed Gull, 47; Herring Gull, 5586; Ring-billed Gull, **1651**; **Franklin's Gull,** 1 [no details—Ed.]; Mourning Dove, 1; Screech **Gull,** 2 [no details—Ed.]; **Black-legged Kittiwake,** 1 [no details—Ed.]; Mournaing Dove, 1; Screech Owl, 15; Horned Owl, 4; Short-eared Owl, 10; Belted Kingfisher, 1; Yellow-shafted Flicker, 5; Red-headed Woodpecker, 2; **Yellow-bellied Sapsucker,** 1; Hairy Woodpecker, 7; Downy Woodpecker, 33; Horned Lark, 12; Blue Jay, 110; Am. Crow, 300; Black-capped Chickadee, 63; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 3; Brown Creeper, 17; **Winter Wren,** 1; Am. Robin, 6; Golden-crowned Kinglet, 16; Cedar Waxwing, 14; Gray Shrike, 8; Common Starling, 4177; House Sparrow, 1253; Eastern Meadowlark, 2; Red-winged Blackbird, 4; Brown-headed Cowbird, 1; Cardinal, 13; Purple Finch, 6; Common Redpoll, 4; Am. Goldfinch, 22; **Eastern Towhee,** 1; Slate-colored Junco, 66; Am. Tree Sparrow, 415; Song Sparrow, 4. **Total,** 76 species (1 additional subspecies); about 39,057 individuals.—William H. Almendinger, Harold H. Axtell, Rachel C. Axtell, Anna Mae Bacon, Sylvia B. Brockner,

Winston Brockner, Richard Brownstein, J. H. Caul, Helen Creighton, Edward Cummiskey, Leila Cummiskey, Alice Dietrich, Martin W. Dietrich, John Filor, Howard Fuller, Mrs. Howard Fuller, Axel Heilborn, Betty Heilborn, Hart Kivett, Harriette Klabunde, Philip Klabunde, Suzie Klabunde, Walter Klabunde, Mercedeth Lovelace, Whitney Mallam, Katherine McCann, W. Ray McCann, Ethel Melberg, Harold D. Mitchell, Bernard Nathan, James Savage, Arthur Schaffner, Edward Seeber, Mr. and Mrs. A. V. Tulinoff, Lena Turner, Alice Ulrich, Edward C. Ulrich, William C. Vaughan (compiler), Gertrude Webster, Margaret Wendling, Marie Wendling, Irwin Woldman, A. J. Wright, Marcia Wright (Buffalo Ornithological Society).

67. **Central Orleans County, N. Y.** (circle centered on Five Corners, Gaines Township; farmland 50%, mixed woodland 25%, streams and ponds 15%, marshes and swamps 5%, residential 5%).—Dec. 26; 8 a.m. to 4 p.m. Snow squalls a.m.; temp. 21° to 28°; wind W to NW, 5-25 m.p.h.; old snow in drifts, squalls deposited ½-in. more, creeks partly open, ponds frozen. Two observers in 2 parties. Total party-hours, 8¼; total party-miles 4 (all on foot). Red-tailed Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 1; Herring Gull, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; **Red-bellied Woodpecker,** 1 (several present for a month); Downy Woodpecker, 5; Am. Crow, 2; Black-capped Chickadee, 2; White-breasted Nuthatch, 1; Cedar Waxwing, 2; shrike (sp.) 1; Common Starling, 6; House Sparrow, 20; Slate-colored Junco, 23; Am. Tree Sparrow, 15. **Total,** 18 species; 85 individuals.—(In area during count period: Cardinal, Mourning Dove, Horned Owl, Hairy Woodpecker, Horned Lark, Gray Shrike.)—George E. Lippert (compiler), Wilfred H. Weeks, Jr.

68. **Cortland, N. Y.** (same area as last year).—Jan. 1; 7 a.m. to 6 p.m. Clear; temp. 13° to 11°; wind N, 4-10 m.p.h.; 7-in. snow on ground, waters open but completely bordered with ice-shelf. Two observers in 2 parties. Total party-hours, 15 (11 on foot, 4 by car); total party-miles, 70 (11 on foot, 59 by car). Horned Grebe, **24**; Great Blue Heron, 1; Mallard, 22; Black Duck, 60; **Am. Widgeon,** 1; Pintail, 1; Redhead, **250**; Ring-necked Duck, 1; Canvas-back, 65; Greater Scaup, **150**; Am. Golden-eye, 90; Hooded Merganser, 1; Am. Merganser, 75; Red-breasted Merganser, 1; Red-tailed Hawk, **4**; Sparrow Hawk, 3; Ruffed Grouse, 2; Ring-necked Pheasant, 2; Herring Gull, 5; Ring-billed Gull, 1; Screech Owl, 2; Horned Owl, 2; Belted Kingfisher, 1; Hairy Woodpecker, **6**; Downy Woodpecker, **13**; Blue Jay, 21; Am. Crow, **476**; Black-capped Chickadee, 71; White-breasted Nuthatch, **14**; Am. Robin, 1; Golden-crowned Kinglet, 2; Gray Shrike, 1; Common Starling, 130; House Sparrow, 65; Cardinal, 3; Evening Grosbeak, **32**; Pine Grosbeak, 1; Common Redpoll, 11; Slate-colored Junco, 1; Am. Tree Sparrow, 34; Song Sparrow, 1. **Total,** 41 species; about 1647 individuals. [Very careful details submitted for all unusual observations—Ed.].—Harold H. Axtell (compiler), Rachel C. Axtell.

69. **Deposit, N. Y.** (7½-mile radius centering on Delaware River 3 miles south of Deposit; river-valley farmland 25%, upland farmland 20%, mixed woodland 53%, village streets and dumps 2%).—Jan. 1; 6:50 a.m. to 5:25 p.m. Clear; temp. 10° to 24°; wind NW, 2-15 m.p.h.; 10-in. snow on ground, lakes frozen, Delaware River 85% frozen. Six observers in 5 parties. Total party-hours, 27 (14 on foot, 13 by car); total party-miles, 129 (14 on foot, 115 by car). Mallard, 4; Black Duck, 9; Am. Merganser, 5; Red-tailed Hawk, 1; Ruffed Grouse, 8; Ring-necked Pheasant, 4; Turkey, 20 [stocked, rather unwild]; Horned Owl, 3; Pileated Woodpecker, 2; Hairy Woodpecker, 5; Downy Woodpecker, 9; Blue Jay, 48; Am. Crow, 35; Black-capped Chickadee, 96; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 10; Brown Creeper, 4; Common Starling, 200; House Sparrow, 82; **Brown-headed Cowbird,** 1; Cardinal, 2; Evening Grosbeak, 84; Purple Finch, 3; Pine Grosbeak, 7; Common Redpoll, 40; Pine Siskin, 166; Am. Goldfinch, 71; Slate-colored Junco, 58; Am. Tree Sparrow, 69; White-throated Sparrow, 1; Song Sparrow, 1; Snow Bunting, 46. **Total,** 32 species; about 1102 individuals. (Seen in area during period: Sparrow Hawk.)—J. E. Smith, E. B. Standfast, E. C. Standfast, E. A. Thatcher, J. H. Wilson, S. S. Wilson, Jr. (compiler).

70. **Fort Plain, N. Y.** (Mohawk River, valleys of Oak, Otsquene, Otsquago and Otstungo Creeks; Oak Hill, Indian Hill, Mineral Springs and Valley Brook woods; mixed deciduous and coniferous woods 36%, open farmland 36%, river flats 28%).—Dec. 29; 8 a.m. to 6 p.m. Partly cloudy, snow in p.m.; temp. 16° to 26°; wind SE, 1-3 m.p.h.; 4-in. snow on ground, river and creeks frozen. One observer. Total hours, 10, total miles, 12½ (all on foot). Red-tailed Hawk, 1; Ruffed Grouse, 4; Ring-necked Pheasant, 12; Horned Owl, 3; Hairy Woodpecker, 1; Downy Woodpecker, 8; Blue Jay, 2; Am. Crow, 2; Black-capped Chickadee, 37; White-breasted Nuthatch, 9; Brown Creeper, 2; Common Starling, 156; House Sparrow, 72; Evening Grosbeak, 6; Common Redpoll, 2; Am. Goldfinch, 52; Am. Tree Sparrow, 88; Song Sparrow, 2. **Total,** 18 species; about 459 individuals.—Douglas Ayres, Jr.

71. **Geneva, N. Y.** (including Waterloo, Montezuma Refuge, north end of Seneca Lake; open farmland 45%, town suburbs 15%, mixed woods 25%, Seneca Lake 15%).—Jan. 2; 8:30 a.m. to 4:30 p.m. Clear a.m. Light clouds p.m.; temp. 14° to 30°; wind SE, 15 m.p.h.; 4-in. light snow, Seneca Lake open. Twelve observers, 10 in 6 parties, 2 at feeders. Total party-hours, 24 (10 on foot, 14 by car); total party-miles, 96 (11 on foot, 85 by car). Horned Grebe, 28; Pied-billed Grebe, 1; Mallard, 35; Black Duck, 300; Redhead, 100; Canvas-back, 24; Greater Scaup, 3500; Am. Golden-eye, 52; Buffle-head, 7; Ruddy Duck, 2; Am. Merganser, 36; Red-breasted Merganser, 2; Cooper's Hawk, 1; Red-tailed Hawk, 3; Rough-legged Hawk, 4; Sparrow Hawk, 2; Ring-necked Pheasant, 4; Am. Coot, 38; Great Black-backed Gull, 3; Herring Gull, 38; Ring-billed Gull,

4; Mourning Dove, 22; Hairy Woodpecker, 7; Downy Woodpecker, 13; Horned Lark, 81; Blue Jay, 13; Am. Crow, 1400; Black-capped Chickadee, 45; White-breasted Nuthatch, 7; Red-breasted Nuthatch, 1; Brown Creeper, 1; **Cedar Waxwing,** 4; Common Starling, 127; House Sparrow, 410; Cardinal, 24; Slate-colored Junco, 21; Am. Tree Sparrow, 35; Lapland Longspur, 2; Snow Bunting, 5. **Total,** 39 species; about 6402 individuals.—Clifford DeMayo, Leora M. Dryer, Foster Gambrell, Ethel Murden, Norman Onderdonk, Guion Roland, Janet Seeley, Thomas Smart, Paris Trail, Jason Walker, Loren Ward, Marcia Winn.

72. **Hamburg, Orchard Park, East Aurora, N. Y.** (7½-mile radius centering on Chestnut Ridge as last year).—Jan. 1; 8 a.m. to 4:30 p.m. Snow flurries a.m., clear p.m.; temp. 15° to 25°; wind NE, 5-10 m.p.h.; 2-4-in. snow on ground, ponds frozen, Lake Erie and some streams open. Thirty-three observers in 16 parties. Total party-hours, 82 (15 on foot, 67 by car); total party-miles, 680 (56 on foot, 624 by car). Mallard, 53; Black Duck, 6; Am. Golden-eye, 16; Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-tailed Hawk, 1; Sparrow Hawk, 9; Ruffed Grouse, 2; Ring-necked Pheasant, 106; Herring Gull, 5; Mourning Dove, 1; Barred Owl, 2; Belted Kingfisher, 2; Hairy Woodpecker, 20; Downy Woodpecker, 49; Blue Jay, 86; Am. Crow, 107; Black-capped Chickadee, 662; White-breasted Nuthatch, 28; Red-breasted Nuthatch, 8; Brown Creeper, 7; Winter Wren, 1; Am. Robin, 25; Golden-crowned Kinglet, 22; Cedar Waxwing, 347; Gray Shrike, 3; Common Starling, 985; **Myrtle Warbler,** 1 (at feeder); House Sparrow, 1325; Eastern Meadowlark, 1; Red-winged Blackbird, 1; Cardinal, 30; Evening Grosbeak, 9; Common Redpoll, 42; Pine Siskin, 5; Am. Goldfinch, 65; **Eastern Towhee,** 2 (at feeder); Slate-colored Junco, 96; Am. Tree Sparrow, 173; **White-throated Sparrow,** 1 (at feeder); Song Sparrow, 1; Lapland Longspur, 1; Snow Bunting, 450. **Total,** 43 species; about 4757 individuals.—Mr. and Mrs. C. A. Avery, Jr., Mr. and Mrs. John Bacon, E. M. Bowen (compiler), T. L. Bourne, R. Byron, J. H. Caul, Mrs. J. A. Creighton, Mr. and Mrs. Cummiskey, P. Green, F. T. Hall, C. T. Knox, C. Lindstrom, M. Lovelace, S. J. Maciejinski, Mrs. L. C. Melberg, H. Minitz, H. D. Mitchell, F. Rathbon, F. G. Rew, F. M. Rew, T. Samuels, V. Schaller, J. Stonitsch, F. T. Tilley, L. M. Turner, Mr. and Mrs. E. C. Ulrich, Margaret Wendling, Marie Wendling, C. Wolfling.

73. **Jamestown, N. Y.** (same area and percentages as preceding year).—Dec. 26; 7 a.m. to 5 p.m. Cloudy, intermittent snow flurries; temp. 15° to 30°; wind NW, 10-30 m.p.h.; streams and outlet of Chautauqua Lake open, lake completely frozen. Fifteen observers in 7 parties. Total party-hours, 28 (13 on foot, 15 by car); total party-miles, 103 (43 on foot, 60 by car). Pied-billed Grebe, 1; Black Duck, 2; Canvas-back, 2; Lesser Scaup, 1; Am. Golden-eye, 190; Buffle-head, 1; Hooded Merganser, 1; Am. Merganser, 1; Sparrow Hawk, 2; Ruffed Grouse, 5; Ring-necked Pheasant, 6; Am. Coot, 3; **Wilson's Snipe,** 1 (flushed from swale—R.H.S.); Herring Gull, 3; Ring-billed Gull, 1; Mourning Dove, 1; Horned Owl, 1; **Saw-whet Owl,** 1; Belted Kingfisher, 2; Pileated Woodpecker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 28; Horned Lark, 1; Blue Jay, 25; Am. Crow, 14; Black-capped Chickadee, 144; White-breasted Nuthatch, 21; Red-breasted Nuthatch, 6; Brown Creeper, 11; Winter Wren, 1; Carolina Wren, 1; Am. Robin, 2; Golden-crowned Kinglet, 8; Cedar Waxwing, 6; Gray Shrike, 1; Common Starling, 1032; House Sparrow, 142; Cardinal, 14; Evening Grosbeak, 37; Pine Siskin, 1; Am. Goldfinch, 15; **Eastern Towhee,** 1 (at feeding station—S.T.); Slate-colored Junco, 22; Am. Tree Sparrow, 157; Song Sparrow, 4. **Total,** 45 species; about 1924 individuals. (In area during count period: Ruddy Duck, Barred Owl.)—Daniel Anderson, Clarence Beal, John Bursewitz, Dale Carlson, Theodore Elderkin, Flora Elderkin, David Hagstrom, William Mealy, Robert Olson, Claude Parker, Gilbert Randall, Peter Robinson, Robert A. Sundell (compiler), Roger H. Sundell, Sidney Taylor.

74. **Keuka Park, N. Y.** (same area and percentages as preceding year).—Dec. 26; 7:30 a.m. to 4 p.m. [weather ?—Ed.]; temp. 23° to 17°; wind SW, 5 m.p.h. Nine observers in 4 parties. Total party-hours, 20 (8 on foot, 12 by car); total party-miles, 101 (11 on foot, 90 by car). Horned Grebe, 13; Pied-billed Grebe, 10; Mallard, 200; Black Duck, 75; Am. Widgeon, 1; Redhead, 2350; Ring-necked Duck, 5; Canvas-back, 5000; Greater Scaup, 25; Lesser Scaup, 7; Am. Golden-eye, 72; Buffle-head, 9; Red-tailed Hawk, 2; Sparrow Hawk, 2; Ruffed Grouse, 1; Ring-necked Pheasant, 4; Am. Coot, 130; Great Black-backed Gull, 1; Herring Gull, 14; Ring-billed Gull, 4; Mourning Dove, 2; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; **Yellow-bellied Sapsucker,** 1; Hairy Woodpecker, 2; Downy Woodpecker, 7; Blue Jay, 6; Am. Crow, 6; Black-capped Chickadee, 41; White-breasted Nuthatch, 3; Brown Creeper, 1; Am. Robin, 2; Common Starling, 185; House Sparrow, 90; Cardinal, 14; Slate-colored Junco, 37; Am. Tree Sparrow, 25; White-throated Sparrow, 2. **Total,** 38 species; about 8351 individuals. (Seen during count period: Red-breasted Merganser, Cooper's Hawk, Horned Lark, Cedar Waxwing, Gray Shrike, Purple Finch, Lapland Longspur, Snow Bunting.)—Frank K. Guthrie (compiler), Robert G. Guthrie, Mary Kipp, Mrs. Isora Lerch, Malcolm Lerch, Mrs. Elaine Orcutt, Francis Orcutt, Charles Spiker, Hilda Streeter.

75. **Kingston-Mohonk Lake-Ashokan Reservoir, N. Y.** (same area as in previous years with addition of Rondout Creek shore from Kingston to Eddyville).—Dec. 31; 7 a.m. to 5:30 p.m. Snow flurries, clear p.m.; temp. 11° to 29°; wind 15-20 m.p.h.; 1-in. snow, streams and ponds mostly frozen, reservoir frozen except 2-3 acres in middle. Eleven observers in 4 parties. Total party-hours, 54 (28 on foot, 26 by car); total party-miles, 176 (13 on foot, 163 by car). Mallard, 110; Black Duck, 908; Am. Golden-eye, 3; Red-tailed Hawk, 6; Red-shouldered Hawk, 1;

Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 2; Ruffed Grouse, 4; Ring-necked Pheasant, 1; Herring Gull, 3; Mourning Dove, 20; Screech Owl, 1; Horned Owl, 1; Long-eared Owl, 4; Pileated Woodpecker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 18; Horned Lark, 47; Blue Jay, 134; Am. Crow, 399; Black-capped Chickadee, 69; White-breasted Nuthatch, 13; Brown Creeper, 4; Am. Robin, 150; Golden-crowned Kinglet, 3; **Loggerhead Shrike**, 1; Common Starling, 431+; House Sparrow, 281; Cardinal, 26; Evening Grosbeak, 30; Purple Finch, 1; Am. Goldfinch, 5; Slate-colored Junco, 101; Am. Tree Sparrow, 78; White-throated Sparrow, 8; Song Sparrow, 2; Snow Bunting, 2. **Total,** 38 species; about 2875 individuals.—Mrs. Edith Betts, Arthur M. Cragin, Henry F. Dunbar, Ilse K. Dunbar (compiler), Mrs. Helen Hayes, Samuel Hayes, Fred N. Hough, Rodney Lethbridge, Robert Pyle, Daniel Smiley, Jr., Priscilla Smiley.

76. **Madrid, N. Y.** (7½-mile radius, including Waddington, Norfolk and 10 miles of St. Lawrence River; fields and pastures 50%, mixed woods 45%, river 4%, villages 1%).—Dec. 27; 7:10 a.m. to 4:10 p.m. Overcast, light snow flurries; temp. 5° to 17°; wind W, 5-10 m.p.h.; 4-8-in. snow on ground, most streams frozen including half of St. Lawrence. Five observers in 2 parties. Total party-hours, 15 (3 on foot, 12 by car); total party-miles, 136 (8 on foot, 128 by car). Mallard, 9; Black Duck, 14; Am. Golden-eye, 518; Am. Merganser, 123; Ruffed Grouse, 2; Ring-necked Pheasant, 5; Herring Gull, 33; Hairy Woodpecker, 3; Downy Woodpecker, 6; Blue Jay, 63; Black-capped Chickadee, 63; White-breasted Nuthatch, 2; Am. Robin, 1; Common Starling, 57; House Sparrow, 7; Purple Grackle, 1; Evening Grosbeak, 105; Common Redpoll, 325; Am. Goldfinch, 120; Slate-colored Junco, 25; Am. Tree Sparrow, 43. **Total,** 21 species; about 1525 individuals. (Seen in area count week: Greater Scaup, Hooded Merganser, Screech Owl, Snow Bunting.)—Ronald Goldie, Charles King, Lyman Langdon, Edward G. Nichols (compiler), Muriel Nichols.

77. **Manhattan, N. Y.** (same area as in 1950 and most subsequent years).—Dec. 26; 6:45 a.m. to 5 p.m. Partially cloudy; temp 23° to 30°; wind W, 10-20 m.p.h.; ground bare, most fresh water frozen. Ten observers in 5 parties. Total party-hours, 38 (30 on foot, 2 by car, 6 by boat); total party-miles, 150 (30 on foot, 30 by car, 90 by boat). **Red-throated Loon,** 1; Horned Grebe, 1; Mallard, 25; Black Duck, **2108**; **Gadwall, 3** (P.M., E.F.); Pintail, 2; Green-winged Teal, 4; Ring-necked Duck, 1; Canvas-back, **14**; Greater Scaup, 2354; Lesser Scaup, 10; Am. Golden-eye, 11; Buffle-head, 1; White-winged Scoter, 1; Ruddy Duck, 5; Am. Merganser, 31; Red-breasted Merganser, 7; Red-shouldered Hawk, 1; **Bald Eagle,** 1; Peregrine Falcon, 2; Sparrow Hawk, 6; **Purple Sandpiper,** 6 (on Bedloe's seawall—R.R.); Great Black-backed Gull, 119; Herring Gull, **4328**; Ring-billed Gull, **137**; Laughing Gull, 1; Bonaparte's Gull, 1301; Yellow-shafted Flicker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 5; Blue Jay, 14; Am. Crow, 6; Black-capped Chickadee, 20; White-breasted Nuthatch, 5; **Brown Creeper,** 1; **Carolina Wren,** 1; Am. Robin, 13; Hermit Thrush, 2; Common Starling, 88,000; House Sparrow, **1448**; Red-winged Blackbird, **58**; Rusty Blackbird, 4; Purple Grackle, 10; Brown-headed Cowbird, 35; Cardinal, 7; Slate-colored Junco, 54; White-throated Sparrow, 41; Fox Sparrow, 2; Song Sparrow, 29. **Total,** 49 species; about 100,244 individuals. (Seen in area during census period: Iceland Gull, Am. Widgeon, Loggerhead Shrike.) [Excellent convincing details submitted for observation of female European Tufted Duck. The same bird was seen from other side of Spuyten Duyvil by Bronx-Westchester census group. Until unanimous Linnaean Society agreement on identification and real "wildness" of duck is reached, the bird must be placed on the hypothetical list—Ed.]—William Cooney, Ambrose Cort, Ezra Feinberg, Mr. and Mrs. W. Guthrie, Richard E. Harrison, Robert Mathews, Pauline Messing, Henry Ryan, Richard Ryan (compiler).

78. **Monticello, N. Y.** (area and habitat coverage same as last year).—Dec. 31; 7:30 a.m. to 5 p.m. Cloudy, snow squalls, clear p.m.; temp. 14° to 22°; wind SW to W, 5-15 m.p.h.; 3-in. snow on ground, water frozen except small area of reservoir. Thirteen observers in 4 parties. Total party-hours, 17 (4 on foot, 13 by car); total party-miles, 164 (5 on foot, 159 by car). Black Duck, 6; Horned Owl, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 10; Downy Woodpecker, 10; Blue Jay, 35; Am. Crow, 8; Black-capped Chickadee, 37; White-breasted Nuthatch, 6; Am. Robin, 1; Common Starling, 196; House Sparrow, 200; Evening Grosbeak, 44; Pine Grosbeak, 46; Pine Siskin, 42; Am. Goldfinch, 63; **Eastern Towhee,** 1; Slate-colored Junco, 53; Am. Tree Sparrow, 52. **Total,** 19 species; about 812 individuals. (Seen in area during count period: Ruffed Grouse, Belted Kingfisher, Winter Wren, Cedar Waxwing, Gray Shrike.)—Mr. and Mrs. Charles Atwell, John Boyd, Pauline Chernick, Mr. and Mrs. George E. Dimock, Mrs. Julius Holtzman, Mrs. Edward McBride, Edward Morse, Mr. and Mrs. Kenneth D. Niven (compilers), Mrs. Delmont R. Race, Seymour Roseig (Sullivan County Audubon Society).

79. **Olean, N. Y.** (same area and habitat coverage as in 1954).—Dec. 31; 7 a.m. to 4:30 p.m. Partly cloudy; temp. 9° to 25°; wind SW, 10-20 m.p.h.; Allegheny River mostly open, ponds and marshes ice-bound, 1-10-in. snow. Six observers in 4 parties. Total party-hours, 20 (10 on foot, 10 by car); total party-miles, 63 (13 on foot, 50 by car). Great Blue Heron, 1; Am. Golden-eye, 4; Am. Merganser, 1; Cooper's Hawk, 1; Ruffed Grouse, 2; Ring-necked Pheasant, 2; Pileated Woodpecker, 2; Downy Woodpecker, 6; Blue Jay, 23; Am. Crow, 9; Black-capped Chickadee, 107; White-breasted Nuthatch, 17; Red-breasted Nuthatch, 5; Brown Creeper, 4; Am. Robin, 1; Golden-crowned Kinglet, 3; Common Starling, 180; House Sparrow, 85; Cardinal, 2; Evening Grosbeak, 5; Am. Goldfinch, 18; Red Crossbill, 3; Slate-colored Junco, 21; Am. Tree Sparrow, 81; Song

Sparrow, 2. **Total,** 25 species; about 585 individuals. (Seen in area during week: Belted Kingfisher, Mourning Dove, Hairy Woodpecker, Carolina Wren.)—E. A. Eaton, S. W. Eaton (compiler), F. Liegey, F. G. Meyer, Mr. and Mrs. L. H. Parsons.

80. Oswego–Fulton, N. Y. (centering on Minetto, south to Fulton, north to Oswego, east and west of Minetto 5 miles; river and harbor 60%, open farmland 15%, woodlots 10%, cemetery and parks 5%, suburban 10%).—Dec. 31; 8:30 a.m. to 5 p.m. Light snow squalls early a.m., clearing p.m.; temp. 20° to 30°, wind WNW, 5-20 m.p.h.; 9-in. snow on ground, Oswego River mostly frozen, Oswego Harbor 2/3 full of pack ice, Lake Ontario open with slush ice extending out 100 yards from shore. Two observers in 1 party. Total party-hours, 8½ (2½ on foot, 6 by car); total party-miles, 65 (5 on foot, 60 by car). Horned Grebe, 2; Pied-billed Grebe, 1; **Mute Swan,** 1 (carefully identified); Mallard, 18; Black Duck, 80; Redhead, 5; Ring-necked Duck, 1; Canvas-back, 2; Greater Scaup, 2051; Lesser Scaup, 23; Am. Golden-eye, 455; Buffle-head, 3; Old-squaw, 27; White-winged Scoter, 1; Hooded Merganser, 2; Am. Merganser, 2611; Red-breasted Merganser, 310; **Goshawk,** 1; Ruffed Grouse, 1; **Am. Coot,** 1; Glaucous Gull, 5; Iceland Gull, 3; Great Black-backed Gull, 273 (all time high); Herring Gull, 4854; Ring-billed Gull, 24; Downy Woodpecker, 2; Blue Jay, 12; Am. Crow, 16; Black-capped Chickadee, 18; White-breasted Nuthatch, 2; Brown Creeper, 2; Gray Shrike, 2; Common Starling, 169; House Sparrow, 34; Evening Grosbeak, 48; Am. Tree Sparrow, 23; Snow Bunting, 5. **Total,** 37 species; about 11,088 individuals.—Arthur Schaffner, Fritz Scheider.

81. Peekskill, N. Y. (area and habitats same as last year).—Dec. 31; 7 a.m. to 5 p.m. Clear to partly cloudy; temp. 20° to 35°; wind NW, 20 m.p.h.; ponds and river bays frozen, Croton Reservoir frozen east of Taconic Parkway. Seventeen observers in 3 parties. Total party-hours, 30 (21 on foot, 9 by car); total party-miles, 175 (24 on foot, 151 by car). Pied-billed Grebe, 2; Mute Swan, 2; Black Duck, 49; Ring-necked Duck, 131; Canvas-back, 7; Am. Golden-eye, 13; Hooded Merganser, 1; Am. Merganser, 756; Cooper's Hawk, 1; Red-tailed Hawk, 1; Bald Eagle, 6; **Peregrine Falcon,** 1 (R.O.); Sparrow Hawk, 1; Ruffed Grouse, 1; Ring-necked Pheasant, 1; Killdeer, 1; **Glaucous Gull,** 1 (J.R.N.); Great Black-backed Gull, 18; Herring Gull, 3200; **Laughing Gull, 7;** Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 27; Blue Jay, 59; Am. Crow, 235; Fish Crow, 3; Black-capped Chickadee, 204; White-breasted Nuthatch, 13; Brown Creeper, 2; Winter Wren, 1; **Carolina Wren,** 1 (M.G.); Am. Robin, 51; Hermit Thrush, 1; Eastern Bluebird, 5; Golden-crowned Kinglet, 1; Cedar Waxwing, 6; Gray Shrike, 1; Common Starling, 752; Myrtle Warbler, 3; House Sparrow, 98; Red-winged Blackbird, 7; Cardinal, 24; Purple Finch, 2; Pine Siskin, 3; Am. Goldfinch, 47; Slate-colored Junco, 250; Am. Tree Sparrow, 289; White-throated Sparrow, 69; Swamp Sparrow, **46**; Song Sparrow, 63. **Total,** 51 species; about 6469 individuals.—William Anderson, John Cooper, Peter Foley, John Given, Mike Gochfeld, Meg Manderson, Pete Marer, Larry Mikolay, Gilbert and William Miller, James R. Nolan (compiler), Ralph Odell, James Rice, Maurice Sellers, Judy Slechta, Kirk Wilkinson, Kevin Witty (Naturalists' Workshop).

82. Port Chester, N. Y.–Greenwich–Stamford, Conn. (same area as last 34 years).—Dec. 26; 6:30 a.m. to 5 p.m. Cloudy a.m., clear p.m.; temp. 21° to 28°; wind NW, 15-25 m.p.h.; ponds frozen, reservoirs 90% frozen, ground bare. Sixty observers in 16 parties, plus 22 observers at feeding stations. Total party-hours, 112 (73 on foot, 27 by car, 12 by boat); total party-miles, 566 (138 on foot, 414 by car, 14 by boat). Common Loon, 6; Red-throated Loon, 4; Horned Grebe, 192; Pied-billed Grebe, 1; European Cormorant, 12; Great Blue Heron, 22; Black-crowned Night Heron, 3; Mute Swan, 20; Canada Goose, 165; Mallard, 734; Black Duck, 1280; **Gadwall,** 1 (P.C.S.); Am. Widgeon, 7; Pintail, 4; Shoveller, 1; Canvas-back, 2; Greater Scaup, 9070; Lesser Scaup, 27; Am. Golden-eye, 173; Buffle-head, 202; Old-squaw, 94; White-winged Scoter, 310 (low); Surf Scoter, 3; Am. Scoter, 8; Ruddy Duck, 2; Hooded Merganser, 26; Am. Merganser, 89; Red-breasted Merganser, 97; **Goshawk,** 1 (W.B.C., W.B.S.); Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 13; Red-shouldered Hawk, 8; Sparrow Hawk, 11; Ruffed Grouse, 2; Ring-necked Pheasant, 15; Am. Coot, 24; Killdeer, 7; **Black-bellied Plover, 12; Ruddy Turnstone,** 2; Greater Yellow-legs, 1; Purple Sandpiper, 12; Great Black-backed Gull, 27; Herring Gull, 1856; Ring-billed Gull, 33; Mourning Dove, 133; Barn Owl, 1; Screech Owl, 1; Horned Owl, 1; Barred Owl, 2; Saw-whet Owl, 2; Belted Kingfisher, 12; Yellow-shafted Flicker, 6; Pileated Woodpecker, 2; Hairy Woodpecker, 22; Downy Woodpecker, 80; Horned Lark, 5; Blue Jay, 247; Am. Crow, 367; Black-capped Chickadee, 592; Tufted Titmouse, **35**; White-breasted Nuthatch, 142; Red-breasted Nuthatch, 1; Brown Creeper, 6; Winter Wren, 2; Long-billed Marsh Wren, 1; Catbird, 1; Brown Thrasher, 2; Am. Robin, 84; Hermit Thrush, 5; Eastern Bluebird, 72; Golden-crowned Kinglet, 4 (low); Ruby-crowned Kinglet, 1; Cedar Waxwing, 26; Gray Shrike, 1; Common Starling, 1490; Myrtle Warbler, 3 (low); House Sparrow, 568; Eastern Meadowlark, 38; Red-winged Blackbird, 13; Purple Grackle, 1; Brown-headed Cowbird, 97; Cardinal, 41; Evening Grosbeak, **261**; Purple Finch, 107; House Finch, 64; Pine Grosbeak, 19; Pine Siskin, 35; Am. Goldfinch, 188; White-winged Crossbill, 5; Eastern Towhee, **13**; Savannah Sparrow, 4; Slate-colored Junco, 576; Am. Tree Sparrow, 303; **Chipping Sparrow,** 1 (R.H.); White-throated Sparrow, 249; Fox Sparrow, 17; Swamp Sparrow, 2; Song Sparrow, 146. **Total,** 99 species; about 20,680 individuals. (Seen during period: Redhead, Bald Eagle, Long-eared Owl.)—Mr. and Mrs. A. Anable, G. Bent II, Mr. and Mrs. E. W. Blodgett, L. Bowen, L. Bradley, Mr. and Mrs. M. Brown, Mrs. L. Chamber-

lain, Mrs. Clapp, Mr. and Mrs. J. Coggeshall, D. Cook, M. Cook, W. B. Cook (compiler), V. Cypher, Mrs. H. Dickenson, Mrs. E. Eagan, Mrs. E. Easton, J. Farrand, W. Fennell, D. Fiero, G. Fiero, Jr., E. Fulling, Mrs. W. Geis, G. Hall, Mrs. J. Haley, R. Hamershlag, A. Harper, J. Harte, W. Hastings, E. Hirshberg, J. Jordan, E. King, T. Laire, T. Lanz, N. Lethbridge, E. Luhde, W. Lustberg, Mr. and Mrs. J. Malone, E. S. Manning, T. Marshner, C. Mohr, J. Mohr, Mrs. R. Montgomery, K. Morrison, D. Morrison, J. Moxhay, J. Moyle, A. Nyquist, R. O'Connor, J. Overocker, Mrs. S. L. Porter, Mrs. F. Rose, Mrs. A. Rockefeller, W. Russell, Mr. and Mrs. J. Schmid, J. Schmidt, W. B. Scofield, A. Schulman, M. See, P. C. Spofford, Mrs. F. Spring, I. Swift, Mr. and Mrs. E. Walton, H. Walton, E. Walton, Jr., Mrs. Leo Waldman, Mrs. E. Williams, A. Wing, Mr. and Mrs. L. Winton, Mrs. W. Wolff, Mr. and Mrs. Worssom, V. Wystrach, J. Young, G. Zepko (Greenwich Audubon Society, assisted by Bedford, Scarsdale, Saw Mill River and Westport Audubon Societies and E. P. Felt Nature Club).

83. **Putnam County, N. Y.** (area and habitats same as last year).—Jan. 2; 7 a.m. to 5 p.m. Clear a.m., cloudy p.m.; temp. –6° to 23°; wind NW, 5-10 m.p.h.; water, including Hudson River, frozen except for portion of West Branch Reservoir. Seventeen observers in 4 parties. Total party-hours, 34 (24 on foot, 10 by car); total party-miles, 177 (22 on foot, 155 by car). Pied-billed Grebe, 1; Black Duck, 66; Ring-necked Duck, 10; Am. Golden-eye, 6; Am. Merganser, 20; Sharp-shinned Hawk, 1; Red-tailed Hawk, 5; Bald Eagle, 1; Sparrow Hawk, 1; Ruffed Grouse, 5; Ring-necked Pheasant, 1; **Virginia Rail,** 4 (W. A., J. G., J.N.); Am. Coot, 1; Great Black-backed Gull, 5; Herring Gull, 160; Horned Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 4; Hairy Woodpecker, 4; Downy Woodpecker, 16; Blue Jay, 100; Am. Crow, 61; Black-capped Chickadee, 69; White-breasted Nuthatch, 4; Brown Creeper, 1; Winter Wren, 1; Am. Robin, 2; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 1; Common Starling, 286; House Sparrow, 144; Red-winged Blackbird, 1; Cardinal, 4; Evening Grosbeak, 2; Pine Grosbeak, 12; Pine Siskin, 39; Am. Goldfinch, 79; Slate-colored Junco, 36; Am. Tree Sparrow, 274; Swamp Sparrow, 2; Song Sparrow, 9. **Total,** 42 species; about 1445 individuals.—William Anderson, Martin Brech, William Celander, John Cooper, John Given, Mrs. George Little, Larry Mikolay, Gilbert and William Miller, James R. Nolan (compiler), Ralph Odell, James Rice, James Richmond, Maurice Sellers, Judy Slechta, Kirk Wilkinson, Kevin Witty (Naturalists' Workshop).

84. **Rochester, N. Y.** (7½-mile radius centering on Dewey Ave. and Stone Rd. as in 1954).—Dec. 26; 6 a.m. to 6 p.m. Cloudy with 2½ hours sunshine; temp. 14° to 26°; wind NW to WSW, 13-35 m.p.h.; 0-1-in. snow on ground, ponds and bays frozen, Lake Ontario open. Thirty-five observers in 17 parties. Total party-hours, 81 (59 on foot, 22 by car); total party-miles, 383 (70 on foot, 313 by car). Horned Grebe, 3; Great Blue Heron, 1; Mallard, 13; Black Duck, 35; **Wood Duck,** 1; Canvas-back, 7; Greater Scaup, 162; Am. Golden-eye, 275; Buffle-head, 1; Old-squaw, 70; White-winged Scoter, 6; Hooded Merganser, 1; Am. Merganser, **1479**; Red-breasted Merganser, 22; Sharp-shinned Hawk, 3; Cooper's Hawk, 3; Red-tailed Hawk, 9; Marsh Hawk, 1; Sparrow Hawk, 9; Ring-necked Pheasant, 116; Glaucous Gull, 1; Iceland Gull, 1 (Kumlien's); Great Black-backed Gull, 24; Herring Gull, 4446; Ring-billed Gull, 3896; Bonaparte's Gull, 6; Mourning Dove, 1; Screech Owl, 4; Horned Owl, 2; **Barred Owl,** 1; Short-eared Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 4; Hairy Woodpecker, 18; Downy Woodpecker, 39; Horned Lark, 2; Blue Jay, 22; Am. Crow, 5155; Black-capped Chickadee, 90; **Tufted Titmouse,** 1 (H.S., O.S.); White-breasted Nuthatch, 31; Brown Creeper, 8; Winter Wren, 4; Am. Robin, **34**; Golden-crowned Kinglet, 3; Cedar Waxwing, 185; Gray Shrike, 6; Common Starling, 2212; House Sparrow, 601; Red-winged Blackbird, **37**; Rusty Blackbird, 15; Brown-headed Cowbird, **66**; Cardinal, 60; Evening Grosbeak, 1; Common Redpoll, 48; Pine Siskin, 60; Am. Goldfinch, 7; White-winged Crossbill, 2; Slate-colored Junco, 122; Am. Tree Sparrow, 492; White-throated Sparrow, 2; Swamp Sparrow, 2; Song Sparrow, 26; Snow Bunting, **500. Total,** 64 species; about 20,432 individuals. (Red-necked Grebe, Redhead seen count period.)—C. F. Allen, Mrs. W. Beer, J. Brown, H. Clancy, H. Clements, W. Corcoran, R. E. Dolan, H. Foster, H. Gordon, R. Hartwell, G. Jones, A. Kemnitzer, A. and J. Klonick, G. Leubner (compiler), W. Listman, R. McKinney, Mr. and Mrs. J. McNett, H. Miller, A. Millikan, Dr. and Mrs. N. Moon, W. Muchmore, D. Nelson, R. O'Hara, G. Rising, H. and O. Schaefer, D. and R. Simons, Rev. and Mrs. F. Taft, L. Tanghe, H. Van Beurden (Genesee Ornithological Society and Burroughs-Aududon Nature Club).

85. **Schenectady, N. Y.** (same area and percentages as last year).—Dec. 26; 7 a.m. to 5 p.m. Clear; temp. –7° to 15°; no wind; less than 3-in. snow on ground, minimum of open water. Twenty-six observers in 7 parties. Total party-hours, 45 (30 on foot, 15 by car); total party-miles, 224 (37 on foot, 187 by car). Great Blue Heron, 1; Mallard, 2; Black Duck, 38; **Hooded Merganser,** 1; Am. Merganser, 2; Goshawk, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 6; Red-shouldered Hawk, 1; Rough-legged Hawk, 2; Bald Eagle, 1; Marsh Hawk, 7; Peregrine Falcon, 2; Sparrow Hawk, 8; Ruffed Grouse, 2; Ring-necked Pheasant, 13; Herring Gull, 1; Mourning Dove, 8; Horned Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 2; Hairy Woodpecker, 16; Downy Woodpecker, 31; Blue Jay, 86; Am. Crow, 250; Black-capped Chickadee, 171; White-breasted Nuthatch, 29; Red-breasted Nuthatch, 7; Brown Creeper, 5; Eastern Bluebird, 1; Golden-crowned Kinglet, 7; Gray Shrike, 2; Common Starling, 4842; House Sparrow, 198; Red-winged Blackbird, 2; Cardinal, 1; Evening Grosbeak, 179; Pine Grosbeak, 5; Common Redpoll, 40; Am. Goldfinch, 58; Slate-colored Junco, 29; Am. Tree Sparrow,

198; Song Sparrow, 6. **Total,** 44 species; about 6268 individuals. (Seen count week: Oregon Junco at feeder, L.N.)—G. M. Andrews, Brother E. Austin, Guy Bartlett, Mildred D. Crary, Hazel Eddy, Lucille Grace, Walter Kaskan, Esly Hallenbeck, Lawrence Hill, Mr. and Mrs. Byron T. Hipple, Jr., Alice Holmes, Richard Keller, Samuel Madison, Mr. and Mrs. Howard Malone, Gloria Meader, James K. Meritt (compiler), P. Schuyler Miller, Mrs. Louis Novak, Stephanie Podrazik, Minnie B. Scotland, Nellie Silliman, Nelle G. Van Vorst, Robert Yunick (Schenectady Bird Club, Inc.).

86. Staten Island, N. Y. (seashore 30%, salt-water marsh 15%, fresh-water marsh 10%, woodlands 15%, fields 15%, suburban areas 15%).—Dec. 26; 7:15 a.m. to 5:15 p.m. Sunny all day; temp 22° to 36°; wind NW, 30-20 m.p.h.; ponds and lakes frozen, ground frozen, most streams running. Ten observers in 6 parties. Total party-hours, 51 (36 on foot, 15 by car); total party-miles, 161 (39 on foot, 122 by car). Horned Grebe, 17; Double-crested Cormorant, 6; Mallard, 7; Black Duck, 583; Pintail, 3; Greater Scaup, 1237; Am. Golden-eye, 43; Bufflehead, 63; Old-squaw, 34; White-winged Scoter, 2; Red-breasted Merganser, 7; Cooper's Hawk, 2; Red-shouldered Hawk, 2; Sparrow Hawk, 4; Ring-necked Pheasant, 11; Killdeer, 13; **Am. Woodcock,** 1 (R.C.); Wilson's Snipe, 2; Purple Sandpiper, 10; Sanderling, 5; Great Black-backed Gull, 59; Herring Gull, 6474; Ring-billed Gull, 7; Bonaparte's Gull, 513; Mourning Dove, 24; Screech Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; **Red-bellied Woodpecker,** 1 (seen 3 times before count); Downy Woodpecker, 14; Horned Lark, 33 (Prairie); Blue Jay, 50; Am. Crow, 31; Black-capped Chickadee, 22; White-breasted Nuthatch, 6; Catbird, 1; Am. Robin, 44; Common Starling, 3778; **Yellow-breasted Chat,** 1 (regular at feeder); House Sparrow, 132; Eastern Meadowlark, 6; Red-winged Blackbird, 75; Rusty Blackbird, 12; Purple Grackle, 2; Brown-headed Cowbird, 248; Cardinal, 28; **Evening Grosbeak,** 7; Purple Finch, 1; Am. Goldfinch, 14; Eastern Towhee, 1; Slate-colored Junco, 23; Am. Tree Sparrow, 119; Field Sparrow, 9; White-throated Sparrow, 112; Swamp Sparrow, 1; Song Sparrow, 35; Snow Bunting, 40. **Total,** 57 species; about 13,979 individuals. (Seen during week of census: Black-crowned Night Heron, Canvas-back, Laughing Gull, Tufted Titmouse.)—Roger Christensen, Howard H. Cleaves, Barbara Cook, Lee A. Ellison, Fred W. Hopping, John A. Le Maire, Gordon Loery, Casimir Redjives, Hans Schleich, Mathilde P. Weingartner (compiler).

87. Syracuse, N. Y. (7½-mile radius; from Oneida Lake to Clark's Reservation, from Onondaga Lake to Green Lakes State Park; lakes 20%, deciduous woods 30%, coniferous woods 10%, brushy and open fields 35%, suburbs 5%).—Jan. 1; 7 a.m. to 6 p.m. Clear; temp. 5° to 12°; wind NW, 0-5 m.p.h.; 1-ft. soft snow, lakes mostly frozen, fast streams open in places. Twenty-four observers in 14 parties. Total party-hours, 86 (51 on foot and ski, 35 by car); total party-miles, 410 (66 on foot and ski, 344 by car). **Great Blue Heron,** 2; **Mute Swan,** 1 (present for weeks); Mallard, 2; Black Duck, 28; Greater Scaup, 3; **Lesser Scaup,** 1; Am. Golden-eye, 20; Am. Merganser, 5; **Goshawk,** 2; Cooper's Hawk, 4; Red-tailed Hawk, 15; Sparrow Hawk, 4; Ring-necked Pheasant, 201; Herring Gull, 41; Mourning Dove, 50; Screech Owl, 1; Horned Owl, 3; **Yellow-shafted Flicker,** 1; Pileated Woodpecker, 3; **Red-bellied Woodpecker,** 1 (in area for a year); Hairy Woodpecker, 26; Downy Woodpecker, 71; Horned Lark, 15; Blue Jay, 68; Am. Crow, 394; Black-capped Chickadee, 288; White-breasted Nuthatch, 16; Red-breasted Nuthatch, 4; Brown Creeper, 5; Golden-crowned Kinglet, 5; Cedar Waxwing, 10; Gray Shrike, 10; Common Starling, 1800; House Sparrow, 700; **Red-winged Blackbird,** 1; **Purple Grackle,** 1; **Brown-headed Cowbird,** 4; Cardinal, 13; Evening Grosbeak, 114; Purple Finch, 1; Common Redpoll, 23; Pine Siskin, 15; Am. Goldfinch, 132; Slate-colored Junco, 53; Am. Tree Sparrow, 900; White-throated Sparrow, 2; Swamp Sparrow, 1; Song Sparrow, 8; **Lapland Longspur,** 2; Snow Bunting, 2. **Total,** 50 species; about 5071 individuals. (Seen in area during count period: Common Loon [stranded on ice, air-shipped to Tenn. for release], Horned Grebe, Rough-legged Hawk, Virginia Rail, Snowy Owl, Eastern Meadowlark, Am. Robin.)—Jim Ashley, Maude Bitz, Angus Brown, Robert Burdick, Benjamin Burtt, Mrs. L. Butler, Lee Chamberlaine, Emelie Curtis, Mrs. W. Estoff, Emaline Evans, Mr. and Mrs. Charles Farnham, Arlene Harmon, Paul Jones, P. Kaplan, Margery Mathis, William Minor, Paul Paquette, Arthur Schaffner, Fritz Scheider, Roger Spofford, Walter Spofford (compiler), William Webb, Robert Wayland-Smith (Onondaga Audubon Society).

88. Troy, N. Y. (same area and habitat percentages as last year).—Jan. 2; 7 a.m. to 4 p.m. Clear; temp. 5° to 20°; no wind; slight snow on ground, minimum of open water. Eighteen observers in 6 parties. Total party-hours, 41 (17 on foot, 24 by car); total party-miles, 351 (28 on foot, 323 by car). Mallard, 101; Black Duck, 740; **Green-winged Teal,** 1; Am. Golden-eye. 113; Am. Merganser, 162; Red-breasted Merganser, 4; Cooper's Hawk, 1; Red-tailed Hawk, 8; Red-shouldered Hawk, 1; Rough-legged Hawk, 2; Bald Eagle, 1; Sparrow Hawk, 7; Ring-necked Pheasant, 4; Herring Gull, 1; Belted Kingfisher, 1; Hairy Woodpecker, 14; Downy Woodpecker, 34; Horned Lark, 4; Blue Jay, 111; Am. Crow, 321; Black-capped Chickadee, 169; White-breasted Nuthatch, 7; Red-breasted Nuthatch, 2; Brown Creeper, 2; Am. Robin, 2; Gray Shrike, 1; Common Starling, 816; House Sparrow, 669; Evening Grosbeak, 67; Common Redpoll, 15; Am. Goldfinch, 212; Am. Tree Sparrow, 402; **Field Sparrow,** 3; Song Sparrow, 1. **Total,** 34 species; about 3999 individuals.—Gustave Angst, Brother E. Austin (compiler), Guy Bartlett, Mildred D. Crary, Elizabeth A. Feldhusen, Mr. and Mrs. Stephen C. Fordham, Esly Hallenbeck, Mr. and Mrs. Byron T. Hipple, Jr., Alice Holmes, Samuel Madison, Mr. and Mrs. Howard Malone, James K. Meritt, Mary O'Neill, Walton

Sabin, Nelle G. Van Vorst (Schenectady Bird Club, Inc.).

89. Watertown, N. Y. (same area as 18 previous counts, 7½-mile radius centering on Public Square; wooded 30%, farmland 30%, swamps 20%, city streets and river bank 20%).—Dec. 27; 7:30 a.m. to 4:30 p.m. Mostly overcast; temp. 7° to 11°; wind variable, 5-15 m.p.h.; 4-in. old snow, many bare spots, very little open water in streams. Twenty-three observers in 16 parties. Total party-hours, 44 (29 on foot, 15 by car); total party-miles, 182 (29 on foot, 153 by car). Black Duck, 20; **Lesser Scaup,** 1; Am. Merganser, 1; Rough-legged Hawk, 1; Sparrow Hawk, 4; Ruffed Grouse, 5; Ring-necked Pheasant, 8; Herring Gull, 3; **Mourning Dove, 38** (35 in field of uncut Buckwheat); Screech Owl, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 9; Downy Woodpecker, 14; Blue Jay, 19; Am. Crow, 5; Black-capped Chickadee, 81; White-breasted Nuthatch, 4; Gray Shrike, 2; Common Starling, 350; House Sparrow, 136; Common Redpoll, 30; Am. Goldfinch, 66; Am. Tree Sparrow, 43; Snow Bunting, 6. **Total,** 24 species; about 848 individuals. (Seen in area count week: Snowy Owl, Brown Creeper, Evening Grosbeak, Song Sparrow, Sharp-shinned Hawk.)—John Bedford, John Belknap, Elizabeth Brown, Frank A. Clinch (compiler), James Common, Mrs. Charles Edwards, Joseph Ellis, Jr., Lucile Grant, Gertrude Houghton, Marada Johnson, Dr. and Mrs. William Larrabee, Ruth Mereand, Mr. and Mrs. Robert Nelson, Arthur Salisbury, Mr. and Mrs. N. S. Sherman, Stanley Smith, Mrs. Richard Taylor, Mrs. Howard Vrooman, John Wilson, Harold Wiley (North Country Bird Club).

90. Watkins Glen, N. Y. (7½-mile radius centering on Franklin and 4th St., including Seneca Lake waterfront, State Park, Salt Point Rd., East Lake Rd., Rockstream area, Montour Falls Airport; open fields 60%, deciduous and evergreen woods 20%, lake front 15%, suburbs 5%).—Dec. 31; 7:15 a.m. to 4:30 p.m. Snowy; temp. 10° to 24°; wind W to NW, 10-20 m.p.h.; 1-2-in. snow covering ice, streams and ponds frozen, Seneca Lake open. Eight observers in 6 parties (3 at feeding stations). Total party-hours, 22 (18 on foot, 4 by car); total party-miles, 44 (18 on foot, 26 by car). Horned Grebe, 4; Pied-billed Grebe, 13; Black Duck, 2; Canvas-back, 2; Cooper's Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 1; Am. Coot, 5; Great Black-backed Gull, 1; Herring Gull, 161; Ring-billed Gull, 50; Mourning Dove, 26; Screech Owl, 1; Barred Owl, 1; **Red-bellied Woodpecker,** 1 (at feeder); Hairy Woodpecker, 25; Downy Woodpecker, 42; Blue Jay, 32; Am. Crow, 7; Black-capped Chickadee, 149; White-breasted Nuthatch, 27; Brown Creeper, 1; Carolina Wren, 1; Am. Robin, 1; Gray Shrike, 1; Common Starling, 194; House Sparrow, 385; Red-winged Blackbird, 1; Purple Grackle, 1; Cardinal, 42; Evening Grosbeak, 22; Slate-colored Junco, 146; Am. Tree Sparrow, 143; **White-throated Sparrow,** 2 (at feeder); Song Sparrow, 1. **Total,** 36 species; about 1495 individuals. (Seen in area during census period: Brown Thrasher.)—Jamesine Bardeen (compiler), Morris Bardeen, Mrs. Florence Beardsley, Mrs. Frank Brown, Jack Brubaker, Louise Helfer, Mrs. Annah Robinson, Mrs. Nancy White.

91. Barnegat, N. J. (same area as in 1946 and subsequent years).—Dec. 31; 5:30 a.m. to 6 p.m. Mostly cloudy; temp. 20° to 32°; wind NW, 10-20 m.p.h.; ground bare, marshes and fresh-water ponds frozen, Barnegat Bay 60% frozen. Twenty-three observers in 5 parties. Total party-hours, 60 (35 on foot, 25 by car); total party-miles, 250 (70 on foot, 180 by car). Common Loon, 8; Red-throated Loon, 2; **Eared Grebe,** 1 (carefully studied through 30 X scope—L.W.); Horned Grebe, 152; European Cormorant, 1; Double-crested Cormorant, 12; Great Blue Heron, 27; Black-crowned Night Heron, 3; Am. Bittern, 3; Canada Goose, 80; Am. Brant, 35,500; Mallard, 3; Black Duck, 336; Green-winged Teal, 1; Redhead, 16; Canvas-back, 15; Greater Scaup, 10,525; Am. Golden-eye, 372; Buffle-head, 138; Old-squaw, 460; **Common Eider,** 1; White-winged Scoter, 200; Surf Scoter, 130; Am. Scoter, 34; Am. Merganser, 4; Red-breasted Merganser, 317; Turkey Vulture, 6; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Rough-legged Hawk, 4; Bald Eagle, 2; Marsh Hawk, 6; Sparrow Hawk, 5; Ringed Plover, 1; Killdeer, 2; Black-bellied Plover, 1; Ruddy Turnstone, 8; Am. Woodcock, 1; **Red Knot, 10**; Purple Sandpiper, **125**; Red-backed Sandpiper, 1150; Sanderling, 300; Great Black-backed Gull, 248; Herring Gull, 858; Ring-billed Gull, 221; Bonaparte's Gull, 2; **Forster's Tern,** 1 (E.W., L.W.); Mourning Dove, 5; Screech Owl, 1; Horned Owl, 1; Barred Owl, 3; Short-eared Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 5; Hairy Woodpecker, 2; Downy Woodpecker, 13; Horned Lark, 26; Blue Jay, 75; Am. Crow, 48; Black-capped Chickadee, 2; Carolina Chickadee, 61; Tufted Titmouse, 10; White-breasted Nuthatch, 4; Brown Creeper, 1; Winter Wren, 2; Carolina Wren, 4; Mockingbird, 1; Catbird, 7; Brown Thrasher, 2; Am. Robin, 262; Hermit Thrush, 10; Golden-crowned Kinglet, 9; Water Pipit, 26; Common Starling, 220; **Orange-crowned Warbler,** 1; Myrtle Warbler, 78; House Sparrow, 129; Eastern Meadowlark, 29; Red-winged Blackbird, 58; Rusty Blackbird, 8; Brown-headed Cowbird, 20; Cardinal, 34; **Evening Grosbeak, 31**; Purple Finch, 7; Pine Siskin, 4; Am. Goldfinch, 133; Eastern Towhee, 2; Ipswich Sparrow, 6; Savannah Sparrow, 35; Sharp-tailed Sparrow, 5; Seaside Sparrow, 12; Vesper Sparrow, 1; Slate-colored Junco, 201; Am. Tree Sparrow, 87; Field Sparrow, 13; White-throated Sparrow, 83; Fox Sparrow, 16; Swamp Sparrow, 7; Song Sparrow, 49; Snow Bunting, 65. **Total,** 102 species; about 53,214 individuals.—J. Bennett, I. Black, P. Brodie, R. Frisby, R. Frohling, R. Gift, C. Hetzel, L. Hilton, L. Hughes, J. Jehl, D. Kunkle (compiler), L. McQueen, N. Niosi, D. Prentice, H. Ross, W. Sandford, R. Thorsell, M. van de Kamp, E. Walsh, L. Walsh, C. Weisel, G. Woolfenden, L. Woolfenden.

92. Boonton, N. J. (area not exceeding 15-mile diameter, Troy Hills the center; deciduous woodland 30%, open marsh 20%, wooded swamp 20%, pasture

and farmland 15%, misc. 15%).—Dec. 26; 5 a.m. to 5 p.m. Fair; temp. 15° to 32°; wind NW, 20-35 m.p.h.; ground bare, reservoir, lakes and ponds mostly frozen, rivers and marshes partially frozen. Nineteen observers in 6 parties. Total party-hours, 50 (20 on foot, 30 by car); total party-miles, 180 (40 on foot, 140 by car). Mute Swan, 2; Mallard, 122; Black Duck, 398; Gadwall, 3; Am. Widgeon, 40; Pintail, 1; **Wood Duck,** 1; Canvas-back, 2; Am. Golden-eye, 1; Am. Merganser, 4; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 8; Red-shouldered Hawk, 6; Rough-legged Hawk, 1; Marsh Hawk, 5; Sparrow Hawk, 6; Ring-necked Pheasant, 2; Virginia Rail, 1; Am. Coot, 1; Killdeer, 2; Wilson's Snipe, 1; Herring Gull, 30; Mourning Dove, 9; Screech Owl, 12; Horned Owl, 3; Belted Kingfisher, 5; Yellow-shafted Flicker, 15; Red-headed Woodpecker, 3; Hairy Woodpecker, 10; Downy Woodpecker, 58; Horned Lark, 11; Blue Jay, 297; Am. Crow, 3500; Fish Crow, 3; Black-capped Chickadee, 167; Tufted Titmouse, 44; White-breasted Nuthatch, 40; Red-breasted Nuthatch, 1; Brown Creeper, 5; Winter Wren, 1; Long-billed Marsh Wren, 1; **Mockingbird,** 1; Catbird, 2; **Brown Thrasher,** 3; Am. Robin, **178**; Hermit Thrush, 1; Eastern Bluebird, 6; Golden-crowned Kinglet, 17; Water Pipit, 20; Loggerhead Shrike, 1; Common Starling, 635; House Sparrow, 264; Eastern Meadowlark, 50; Red-winged Blackbird, 237; Rusty Blackbird, 12; Brown-headed Cowbird, 4; Cardinal, 47; Evening Grosbeak, 1; Purple Finch, 8; Am. Goldfinch, 42; Eastern Towhee, **20**; Savannah Sparrow, 2; Slate-colored Junco, 442; Am. Tree Sparrow, 672; Field Sparrow, 5; White-throated Sparrow, 351; Fox Sparrow, 2; Swamp Sparrow, 12; Song Sparrow, 92. **Total,** 70 species; about 7953 individuals. (Red-bellied Woodpecker seen in area previous to and following count.) —R. Barton, J. Bennett, I. Black, C. Collins, F. DeHart, C. Hetzel, L. Hilton, L. Hughes, J. Jehl, D. Kunkle, C. Lincoln, H. Meng, N. Niosi, D. Prentice, R. W. Smith, H. M. Van Deusen, D. Wilhoft, F. P. Wolfarth (compiler).

93. Bridgeton, N. J. (7½-mile radius centering at Cedarville including Sea Breeze and Fortescue on Delaware Bay; all observations in Cumberland County; suburbs 1%, mixed woodlands 10%, salt marsh 30%, plowed land 40%, fresh-water ponds and streams 15%, salt water 4%).—Dec. 26; 7 a.m. to 5 p.m. Partly cloudy; temp. 20° to 32°; wind NW, 15-20 m.p.h.; ground and fresh-water lakes frozen, ice on salt meadows. Twelve observers in 5 parties. Total party-hours, 60 (39 on foot, 21 by car); total party-miles, 297 (29 on foot, 268 by car). Horned Grebe, 4; Pied-billed Grebe, 5; Great Blue Heron, 1; Black-crowned Night Heron, 1; Canada Goose, 1; Snow Goose, 2012; Mallard, 127; Black Duck, 547; Am. Widgeon, 2; Green-winged Teal, 3; Redhead, 4; Ring-necked Duck, 9; Canvas-back, 2; scaup (sp.), 60; Hooded Merganser, 2; Am. Merganser, 15; Turkey Vulture, 284; Sharp-shinned Hawk, 2; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Bald Eagle, 5; Marsh Hawk, 37; Peregrine Falcon, 1; Sparrow Hawk, 23; Bob-white, 41; Ring-necked Pheasant, 5; Killdeer, 5; Black-bellied Plover, 1; Wilson's Snipe, 9; Greater Yellow-legs, 1; Red-backed Sandpiper, 15; Great Black-backed Gull, 2; Herring Gull, 262; Mourning Dove, 78; Belted Kingfisher, 3; Yellow-shafted Flicker, 9; **Red-bellied Woodpecker,** 1; Hairy Woodpecker, 1; Downy Woodpecker, 10; Horned Lark, 47; Blue Jay, 6; Am. Crow, 602; Fish Crow, 32; Carolina Chickadee, 31; Tufted Titmouse, 8; Red-breasted Nuthatch, 2; Carolina Wren, 9; Mockingbird, 11; Am. Robin, 288; Eastern Bluebird, 10; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 9; Water Pipit, **115**; Cedar Waxwing, 2; Loggerhead Shrike, 2; Common Starling, 4389; **Yellow-breasted Chat,** 1 (at feeder for days); Myrtle Warbler, 9; House Sparrow, 402; Eastern Meadowlark, 110; Red-winged Blackbird, 1028; Rusty Blackbird, 200; **Brewer's Blackbird, 5** (4 males, 1 female studied at close range—B.M., S.D.); **Boat-tailed Grackle, 40** (permanent resident for several years); Purple Grackle, 510; Brown-headed Cowbird, 1323; Cardinal, 97; Am. Goldfinch, 132; Savannah Sparrow, 12; **Baltimore Oriole,** 1; Slate-colored Junco, 490; Am. Tree Sparrow, 42; Chipping Sparrow, 3; Field Sparrow, 100; White-crowned Sparrow, 2; White-throated Sparrow, 254; Fox Sparrow, 2; Swamp Sparrow, 7; Song Sparrow, 141. **Total,** 80 species; about 14,074 individuals. (Seen in area count week: White-breasted Nuthatch, Evening Grosbeak.)—Elsie R. Carrington, Mr. and Mrs. Leroy Cossaboon, Mr. and Mrs. Stanley Dickerson, Cecilia Dickerson, Mrs. Josephine R. Estes, Charles E. Ford, Bennett K. Matlack (compiler), Mrs. Leslie E. Myatt, Sara F. Wheaton, J. Stanley Quickmire, Jr.

94. Cape May, N. J. (7½-mile radius centering at Rio Grande, Cape May County; salt marsh 15%, cultivated land 15%, woodland 15%, sand beach 5%, ocean and bay 50%).—Jan. 2; 3 a.m. to 4 p.m. Mostly clear a.m., partly cloudy p.m.; temp. 23° to 33°; wind NW to E, light; little snow on ground, small open areas on largest fresh-water ponds, cold for 3 weeks preceding count. Sixty-two observers in 10 parties. Total party-hours, 80 (60 on foot, 20 by car); total party-miles, 400 (135 on foot, 265 by car). Common Loon, 7; Red-throated Loon, 46; Red-necked Grebe, 1; Horned Grebe, 316; Pied-billed Grebe, 66; Gannet, 17; Double-crested Cormorant, 10; Great Blue Heron, **91**; Am. Egret, 2; Snowy Egret, 4; Little Blue Heron, 38; Black-crowned Night Heron, 88; Am. Bittern, 3; Canada Goose, 36; Am. Brant, **40,000**; Mallard, 19; Black Duck, **6318**; Gadwall, 3; Am. Widgeon, 120; Pintail, 6; Green-winged Teal, 41; Shoveller, **8**; Wood Duck, 4; Redhead, **22**; Ring-necked Duck, **10**; Canvas-back, 13; Greater Scaup, 390; Lesser Scaup, 12; Am. Golden-eye, 160; Buffle-head, **311**; Old-squaw, 396; **Harlequin Duck,** 1; **Common Eider,** 5; White-winged Scoter, 319; Surf Scoter, 509; Am. Scoter, 642; Ruddy Duck, 196; Hooded Merganser, 18; Am. Merganser, 4; Red-breasted Merganser, 315; Turkey Vulture, **483**; Sharp-shinned Hawk, 8; Cooper's Hawk, 11; Red-tailed Hawk, 16; Red-shouldered Hawk, 11; Rough-legged Hawk, 2; Bald

Eagle, 7; Marsh Hawk, 59; Peregrine Falcon, 1; Sparrow Hawk, 49; Ruffed Grouse, 7; Bob-white, 31; Ring-necked Pheasant, 1; Clapper Rail, 13; Virginia Rail, 1; Am. Coot, 59; Piping Plover, 1; Killdeer, 72; Black-bellied Plover, 108; Ruddy Turnstone, 2; **European Woodcock,** 1 [careful complete details submitted; observed repeatedly during past month, identification unquestionable—Ed.]; Am. Woodcock, 8; Wilson's Snipe, 5; Willet, 1; Greater Yellow-legs, 5; Lesser Yellow-legs, 10; Purple Sandpiper, 48; Least Sandpiper, 1; Red-backed Sandpiper, **3600**; Semipalmated Sandpiper, **101**; Western Sandpiper, 22; Sanderling, **735**; Great Black-backed Gull, **200**; Herring Gull, 5150; Ring-billed Gull, 782; **Black-headed Gull,** 1 (H.C.); Bonaparte's Gull, 99; Mourning Dove, 104; Barn Owl, 2; Screech Owl, 1; Horned Owl, 8; Short-eared Owl, 7; Belted Kingfisher, **31;** Yellow-shafted Flicker, 95; Hairy Woodpecker, 7; Downy Woodpecker, 52; Eastern Phoebe, 1; Horned Lark, 204; Tree Swallow, 91; **Barn Swallow,** 2 (D.C., M.W.); Blue Jay, 201; Am. Crow, 2052; Fish Crow, 51; Carolina Chickadee, 152; Tufted Titmouse, 63; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 4; Brown Creeper, 6; Winter Wren, 6; Carolina Wren, 67; Long-billed Marsh Wren, 1; Mockingbird, 44; Catbird, 13; Brown Thrasher, 15; Am. Robin, 4792; Hermit Thrush, 76; Eastern Bluebird, 87; Golden-crowned Kinglet, 24; Water Pipit, 15; Cedar Waxwing, 13; Loggerhead Shrike, 7; Common Starling, 3611; Myrtle Warbler, 1983; Palm Warbler, 1; Common Yellowthroat, 2; **Yellow-breasted Chat,** 2; House Sparrow, **1337**; Eastern Meadowlark, 457; Red-winged Blackbird, **4364**; Rusty Blackbird, 20; Purple Grackle, 87; Brown-headed Cowbird, 2824; Cardinal, **335**; Evening Grosbeak, 70; Purple Finch, **46**; Pine Siskin, 16; Am. Goldfinch, 256; Eastern Towhee, 12; Ipswich Sparrow, 6; Savannah Sparrow, 122; Sharp-tailed Sparrow, 27; Seaside Sparrow, 4; Vesper Sparrow, 3; Slate-colored Junco, 440; Am. Tree Sparrow, 354; Chipping Sparrow, 4; Field Sparrow, **636**; **White-crowned Sparrow,** 2; White-throated Sparrow, 1342; Fox Sparrow, 26; Swamp Sparrow, 24; Song Sparrow, 372; Lapland Longspur, 2; Snow Bunting, 3. **Total,** 144 species; about 89,367 individuals. (Pigeon Hawk seen day before count. Species seen on 29 Cape May counts total 201.) [Careful details submitted for all unusual observations—Ed.]—E. C. Archer, John Arnett, Jr., Daniel E. Batezel, William J. Bailey, Bernath Berkowitz, Alan Brady, Joel Cadbury, Joseph M. Cadbury, Charles W. Carter, Ernest A. Choate (compiler), Dale R. Coman, David Cutler, Herbert S. Cutler, John F. Gardner, Edgar T. Gibson, Edward Gordon, E. A. Guthrie, Henry Guthrie, B. S. Haines, Robert L. Haines, William Jay, Oscar H. Joyce, Hans Knopf, Quintin Kramer, Philip Lawrence, Skip Lazell, M. A. Linton, Philip A. Livingston, Walter Mammel, Edward R. Manners, David L. Marshall, Edward W. Marshall, E. Wayne Marshall, Jr., Virginia C. Marshall, William J. MacMurtrie, W. R. Middleton, John C. Miller, J. L. Moore, Jr., John F. McIlvain, Alfred Nicholson, Jr., John O'Reilly, Howell Peniston, Ralph Pierce, J. K. Potter, J. Stanley Quickmire, Chester L. Reagan, Edward J. Reimann, George B. Reynard, William P. Reynolds, Leon Schecktman, Robert Sehl, Clarence E. Stasz, Francis Stokes, Jr., P. B. Street, H. F. Street, Norman Strehle, Lester S. Thomas, Rex Thomas, M. Weiss, Edward D. Wildman, Charles A. Wonderly, Jack Wykoff [and with acclaim for Huckleberry Coman, setter, who located the European Woodcock!—Ed.]

95. Great Swamp–Watchung Ridges, N. J. (7½-mile radius centering in New Providence; dry deciduous woods 30%, wet deciduous woods 17%, fields 28%, suburban areas 23%, evergreen woods 2%).—Dec. 31; 5 a.m. to 5 p.m. Partly cloudy; temp. 16° to 32°; wind N to NW, 10-15 m.p.h.; ground bare, most water ice-coated. Twenty-one observers in 5 parties. Total party-hours, 39 (31 on foot, 8 by car); total party-miles, 295 (34 on foot, 261 by car). Great Blue Heron, 1; Mute Swan, 11; Mallard, 150; Black Duck, 86; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 7; Red-shouldered Hawk, 3; Marsh Hawk, 2; Sparrow Hawk, 10; Bob-white, 3; Ring-necked Pheasant, 4; Killdeer, 2; Wilson's Snipe, 1; Herring Gull, 138; Mourning Dove, 183; Screech Owl, 2; Barred Owl, 3; Long-eared Owl, 1; Saw-whet Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 20; Pileated Woodpecker, 1; Red-headed Woodpecker, 1; **Yellow-bellied Sapsucker,** 3; Hairy Woodpecker, 34; Downy Woodpecker, 148; Horned Lark, 1; Blue Jay, 519; Am. Crow, 615; Black-capped Chickadee, 397; Tufted Titmouse, 205; White-breasted Nuthatch, 153; Red-breasted Nuthatch, 13; Brown Creeper, 1; Winter Wren, 7; Carolina Wren 2; Catbird, 3; Brown Thrasher, 2; Am. Robin, 39; Hermit Thrush, 4; Eastern Bluebird, 31; Golden-crowned Kinglet, 13; Cedar Waxwing, 35; Common Starling, 7328; Myrtle Warbler, 8; House Sparrow, 616; Eastern Meadowlark, 8; Red-winged Blackbird, 44; Rusty Blackbird, 11; **Baltimore Oriole,** 1 (regular at feeder); Purple Grackle, 17; Brown-headed Cowbird, 116; Cardinal, 187; Evening Grosbeak, 27; Purple Finch, 118; Pine Siskin, 27; Am. Goldfinch, 217; Eastern Towhee, **32**; Slate-colored Junco, 1146; Am. Tree Sparrow, 858; Field Sparrow, 16; White-throated Sparrow, 951; Fox Sparrow, 12; Swamp Sparrow, 4; Song Sparrow, 171. **Total,** 66 species; about 14,774 individuals. (Seen during period: Gray Shrike, Mockingbird.)—David Adam, Joan Brown, William C. Brown, James B. Hawley, Charles Hoiles, Stuart Hurlbut, Richard Malek, Don Maxwell, Jeannette Middlebrook (compiler), A. H. Nichols, Roger Norton, Conrad Ogden, Roy Puckey, Hadley Roe, Mr. and Mrs. Fred Rolf, Fred H. Sacksteder, Ken Taylor, Richard Taylor, Mrs. John R. Whitlock, Archie Wilson.

96. Hackensack–Ridgewood, N. J. (7½-mile radius centering on River Edge Bridge, north to N. Y. State line, south to Paterson Plank Rd.; woodland 30%, residential 29%, swamp 5%, brushy fields 5%, marsh 8%, river and lake fronts 21%, garbage dumps 1%, cemeteries 1%, 9 feeding stations).—Dec. 26; 6 a.m. to 4:30 p.m. Clear; temp. 21° to 34°; wind NW, 28 m.p.h.; ground mostly bare, traces of snow in sheltered areas, most water frozen. Fifty-one ob-

servers in 24 parties. Total party-hours, 134 (104 on foot, 30 by car); total party-miles, 488 (102 on foot, 386 by car). Pied-billed Grebe, 1; **Black-crowned Night Heron,** 2; Mute Swan, 1; Canada Goose, 58; Mallard, 911; Black Duck, 452; Wood Duck, 1; Redhead, 1; Canvas-back, 20; Greater Scaup, 75; Lesser Scaup, 29; Am. Golden-eye, 35; Am. Merganser, 122; Cooper's Hawk, 1; Red-tailed Hawk, 4; **Rough-legged Hawk,** 1; Marsh Hawk, 1; Peregrine Falcon, 1; Sparrow Hawk, 17; Ruffed Grouse, 1; Ring-necked Pheasant, 1; **King Rail,** 1; Killdeer, 6; Great Black-backed Gull, 28; Herring Gull, 1674+; Ring-billed Gull, 115+; Laughing Gull, 1; Mourning Dove, 86; Screech Owl, 1; Barred Owl, 1; Belted Kingfisher, 10; Yellow-shafted Flicker, 4; **Red-headed Woodpecker,** 1; Hairy Woodpecker, 11; Downy Woodpecker, 66; Blue Jay, 358; Am. Crow, 265; Black-capped Chickadee, 265; Tufted Titmouse, 69; White-breasted Nuthatch, 73; Red-breasted Nuthatch, 2; Brown Creeper, 4; Carolina Wren, 1; **Mockingbird,** 1; **Brown Thrasher,** 1; Am. Robin, 36; Eastern Bluebird, 6; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 1; Water Pipit, 6; Cedar Waxwing, 13; Common Starling, 5691+; Myrtle Warbler, 2; House Sparrow, 796; Red-winged Blackbird, 329; Rusty Blackbird, 16; Purple Grackle, 342; Brown-headed Cowbird, 137; Cardinal, 50; Evening Grosbeak, 14; Purple Finch, 18; Am. Goldfinch, 171; Eastern Towhee, 8; Savannah Sparrow, 15; Slate-colored Junco, 772; Am. Tree Sparrow, 403; **Chipping Sparrow, 2** (carefully identified); Field Sparrow, 13; **White-crowned Sparrow,** 2; White-throated Sparrow, 413; Fox Sparrow, 19; Swamp Sparrow, 3; Song Sparrow, 230. **Total,** 73 species; more than 14,291 individuals. —E. A. Abeles, A. Andora, E. J. Arguello, Mrs. H. T. Armitt, H. T. Armitt, G. Baker, A. Barber (compiler), Andy Bihun, Jr., Mrs. J. H. Bomm, G. Breck, C. W. Bush, F. B. Cross, J. C. Demarest, W. S. Downin, A. Dunham, Mrs. F. G. Dunham, Mrs. N. Emig, N. Emig, G. C. Engel, D. Eves, C. D. Fermier, H. S. Fisher, T. Fleming, D. Gill, F. Gill, Mrs. P. H. Grosch, P. H. Grosch, J. E. Keller, Mrs. C. J. Kientzler, W. Kovacs, M. Kuhnen, Mrs. F. J. McKenna, J. Miller, Mrs. P. M. O'Blenis, P. M. O'Blenis, D. C. Pallas, Mrs. F. J. Root, Mrs. D. A. Roser, D. A. Roser, Mrs. H. E. Rowlands, S. Satterthwaite, F. R. Schetty, H. S. Sharp, S. B. Shera, W. F. Standaert, Mrs. A. Stout, A. Stout, H. Stringer, E. Trotter, Mrs. J. Van Saun, J. Zabransky (Hackensack and Ridgewood Audubon Societies).

97. Lakehurst, N. J. (Lakehurst to Lakewood, Point Pleasant, Seaside Heights, Toms River; same area and habitats as in previous years).—Dec. 31; 6:30 a.m. to 5 p.m. Cloudy until 2 p.m., then fair; temp. 15° to 28°; wind NW, 15-35 m.p.h.; ponds, lakes and streams frozen, Barnegat Bay 80% frozen. Four observers in 2 parties. Total party-hours, 13 (10 on foot, 3 by car); total party-miles, 85 (8 on foot, 77 by car). Common Loon, 8; Red-throated Loon, 2; Horned Grebe, 32; Pied-billed Grebe, 4; Gannet, 3; **European Cormorant,** 1; Double-crested Cormorant, 30; Great Blue Heron, 17; Black-crowned Night Heron, 2; Canada Goose, 250; Mallard, 120; Black Duck, 325; Am. Widgeon, 230; Pintail, 5; Green-winged Teal, 1; Redhead, 34; Ring-necked Duck, 8; Canvas-back, 75; Greater Scaup, 325; Lesser Scaup, 12; Am. Golden-eye, 120; Buffle-head, 45; Old-squaw, 4; White-winged Scoter, 22; Am. Scoter, 5; Ruddy Duck, 11; Hooded Merganser, 1; Am. Merganser, 55; Red-breasted Merganser, 30; Sparrow Hawk, 1; Clapper Rail, 4; Am. Coot, 45; Killdeer, 10; Black-bellied Plover, 3; Red-backed Sandpiper, 58; Sanderling, 14; Great Black-backed Gull, 58; Herring Gull, 550; Ring-billed Gull, 30; Laughing Gull, 1; Mourning Dove, 11; Screech Owl, 1; Hairy Woodpecker, 1; Downy Woodpecker, 2; Blue Jay, 5; Am. Crow, 60; Fish Crow, 2; Black-capped Chickadee, 3; Carolina Chickadee, 15; Tufted Titmouse, 2; White-breasted Nuthatch, 2; Brown Creeper, 2; Winter Wren, 1; Long-billed Marsh Wren, 2; **Catbird,** 1; Am. Robin, 30; Eastern Bluebird, 3; Golden-crowned Kinglet, 2; Common Starling, 2030; Myrtle Warbler, 16; House Sparrow, 65; Red-winged Blackbird, 25; Purple Grackle, 3; Brown-headed Cowbird, 16; Cardinal, 3; Evening Grosbeak, 6; Pine Siskin, 6; Am. Goldfinch, 8; Sharp-tailed Sparrow, 6; Seaside Sparrow, 10; Slate-colored Junco, 23; Am. Tree Sparrow, 30; Field Sparrow, 2; White-throated Sparrow, 37; Swamp Sparrow, 5; Song Sparrow, 9; Snow Bunting, 2. **Total,** 77 species; about 4998 individuals. Mrs. John Connor, Sue Fables, David Fables (compiler), Glen Woolfenden.

98. Long Branch, N. J. (Oceanport to Wreck Pond; bays and ponds 35%, beach front 15%, ocean 10%, brushy fields 10%, farmland 10%, marshes 10%, woods 10%).—Jan. 2; 5 a.m. to 5 p.m. Clear; temp. 18° to 30°; wind NW to SE, 10 m.p.h.; no snow, ponds frozen. Forty-two observers in 12 parties. Total party-hours, 124 (70 on foot, 50 by car, 4 by boat); total party-miles, 541 (78 on foot, 428 by car, 35 by boat). Common Loon, 23; Red-throated Loon, 17; Red-necked Grebe, 1; Horned Grebe, 569; **Eared Grebe,** 1 (all field marks—R.C., G.C.); Pied-billed Grebe, 11; Gannet, 31; European Cormorant, 2; Double-crested Cormorant, 119; Great Blue Heron, 24; Black-crowned Night Heron, 1; Mute Swan, 10; Canada Goose, 27; Am. Brant, 1; **Snow Goose,** 1 (C.E.); Mallard, 453; Black Duck, 615; Gadwall, 3; Am. Widgeon, 1657; Pintail, 36; Shoveller, 2; Redhead, 18; Ring-necked Duck, 38; Canvas-back, 371; Greater Scaup, 2035; Lesser Scaup, 303; Am. Golden-eye, 75; Buffle-head, 71; Old-squaw, 7; **Common Eider, 2** (F.W. party); White-winged Scoter, 42; Surf Scoter, 11; Am. Scoter, 5; Ruddy Duck, 130; Hooded Merganser, 4; Am. Merganser, 129; Red-breasted Merganser, 691; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 8; Red-shouldered Hawk, 3; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 1; Sparrow Hawk, 27; Bob-white, 40; Ring-necked Pheasant, 11; Clapper Rail, 3; Virginia Rail 1; Am. Coot, 126; Killdeer, 29; Purple Sandpiper, 9; Sanderling, 31; Glaucous Gull, 1; Iceland Gull, 2; Great Black-backed Gull, 760; Herring Gull, 2420; Ring-billed Gull, 145; Laughing Gull, 2; Bonaparte's Gull, 1814; **Black-headed Gull, 3** (C.L.E., 2; S.H., 1); **Black-legged Kittiwake,** 2;

Razor-billed **Auk, 4**; Mourning Dove, 273; Screech Owl, 4; Horned Owl, 3; Belted Kingfisher, 5; Yellow-shafted Flicker, 12; Hairy Woodpecker, 7; Downy Woodpecker, 67; Horned Lark, 52; Blue Jay, 137; Am. Crow, 275; Fish Crow, 2; Black-capped Chickadee, 5; Carolina Chickadee, 136; Tufted Titmouse, 59; White-breasted Nuthatch, 34; Brown Creeper, 5; Winter Wren, 2; Carolina Wren, 7; Long-billed Marsh Wren, 5; Mockingbird, 1; Catbird, 3; **Brown Thrasher,** 1; Am. Robin, **574**; Hermit Thrush, 9; Eastern Bluebird, 11; Golden-crowned Kinglet, 8; Cedar Waxwing, 30; Common Starling, 2770; Myrtle Warbler, 106; House Sparrow, 367; Eastern Meadowlark, 24; Red-winged Blackbird, 482; Rusty Blackbird, 9; Purple Grackle, 14; Brown-headed Cowbird, 509; Cardinal, 111; **Dickcissel,** 1 (at feeding station—E.W., V.W.); Evening Grosbeak, 21; Purple Finch, 11; Pine Siskin, 11; Am. Goldfinch, 238; **Ipswich Sparrow,** 1; Savannah Sparrow, 4; Sharp-tailed Sparrow, 2; Slate-colored Junco, **1315**; Am. Tree Sparrow, 307; **Chipping Sparrow,** 2 (B.E.); Field Sparrow, 19; White-throated Sparrow, 387; Fox Sparrow, 7; Swamp Sparrow, 36; Song Sparrow, 107. **Total,** 115 species; about 21,571 individuals.—J. A. Bennett, I. H. Black, P. Brody, C. Collins, R. C. Conn, G. Coven, Margaret Duncombe, C. L. Edwards, B. Einhorn, C. A. Hetzel, T. Hallowell, L. S. Hilton, S. Hopkins, J. Jehl, Jr., D. Kunkle, C. Lincoln, Mr. and Mrs. J. Lovett, J. Jubon, Mrs. A. McKim, C. H. Nichols, N. Niosi, R. Pancoast, Mr. and Mrs. R. Peterson, D. S. Prentice, C. Rosenthal, D. Rosenthal, W. Sandford, R. Sargeant, G. M. Seeley, R. Smith, Mrs. G. D. Stout, Mrs. James Van Brunt, M. Van de Kamp, D. Wilhoft, E. Wisner, V. Wisner, F. Wolfarth, Mrs. E. Woolfenden, G. Woolfenden.

99. Moorestown—Maple Shade—Riverton, N. J. (same area as former years; town suburbs 38%, farmland 28%, deciduous woods 20%, wet brushy meadows 7%, river front 6%, evergreen woods 1%). —Dec. 31; 7 a.m. to 5 p.m. Partly cloudy, clearing by 11 a.m.; temp. 18° to 34°; wind NW, 15-22 m.p.h.; ground bare, still water frozen. Seventy-one observers in 42 parties. Total party-hours, 112 (60 on foot, 14 by car, 38 at feeders); total party-miles, 188 (63 on foot, 125 by car). Canada Goose, 8; Mallard, 2; Black Duck, 211; Am. Widgeon, 12; Pintail, 520; Greater Scaup, 2; Ruddy Duck, 1; Am. Merganser, 230; Turkey Vulture, 16; Sharp-shinned Hawk, 2; Cooper's Hawk, 3; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Marsh Hawk, 9; **Pigeon Hawk,** 1; Sparrow Hawk, 35; Ring-necked Pheasant, 13; Killdeer, 3; Wilson's Snipe, 1; Herring Gull, 167; Mourning Dove, 315; Barn Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 17; Hairy Woodpecker, 6; Downy Woodpecker, 62; Horned Lark, 18; Blue Jay, 130; Am. Crow, 423; Fish Crow, 7; Black-capped Chickadee, 24; Carolina Chickadee, 163; Tufted Titmouse, 45; White-breasted Nuthatch, 13; Red-breasted Nuthatch, 9; Brown Creeper, 8; Winter Wren, 4; Carolina Wren, 3; Long-billed Marsh Wren, 1; Mockingbird, 31; Am. Robin, 197; Hermit Thrush, 1; **Gray-cheeked Thrush,** 1 (seen repeatedly during Dec. and carefully studied—A.C.B.); Eastern Bluebird, 6; Golden-crowned Kinglet, 7; Water Pipit, 70; Cedar Waxwing, 2; Loggerhead Shrike, 1; Common Starling, 3016; Myrtle Warbler, 14; Palm Warbler, 4; House Sparrow, 809; Eastern Meadowlark, 74; Brown-headed Cowbird, 5; Cardinal, 165; Evening Grosbeak, 22; Purple Finch, 1; Pine Siskin, 31; Am. Goldfinch, 48; Eastern Towhee, 2; Savannah Sparrow, 4; Slate-colored Junco, 857; Am. Tree Sparrow, 206; **Chipping Sparrow, 21**; Field Sparrow, 24; **White-crowned Sparrow,** 17; White-throated Sparrow, 522; Fox Sparrow, 32; Swamp Sparrow, 1; Song Sparrow, 197. **Total,** 70 species; about 8880 individuals.—S. N. Aldridge, H. F. and I. Anders, D. A. and K. Balmé, M. P. Barrett, A. B., A. C., A. and D. Borton, C. T. Bowers, S. Carson, C. Carter, A. Christian, B. and W. L. Cleaver, H. S. and R. H. Coe, H. C. Collins, F. G. Conrow, C. B. and S. Cooper, E. Dominguez, C. Evans, E. T. and H. T. Gibson, E. L. Gillingham, B. S., R. L. and S. Haines, M. Harris, M. E. Hollinshead, J. D. Hull, M. A. and M. R. Linton, A. W. H., E. R. and J. Lippincott, E. Litchfield, M. and P. B. Lovell, D. B. McGaw, H., H. L. and J. L. Moore (compiler), D. M. Nelson, D. R. B. and T. H. Read, H. W. and R. E. Ritchie, W. H. Roberts, Jr., A. M. and J. E. Rogers, J. Severance, H. K. Sibley, R. Smythe, F. C. Stokes, Jr., H. and R. Stone, J. H., S., A., K. and J. Taylor, E. Wallace, E. E. Wildman, R. Wilkins, K. Wilson, E. Wolf, R. R. Wood, A. Yarrington.

100. Morristown, N. J. (7½-mile radius centering in Ironia; open fields 37%, wooded areas 49%, lake country 9%, swamps 5%).—Jan. 2; 6 a.m. to 5 p.m. Clear a.m., overcast p.m.; temp. 3° to 32°; ground bare, water areas frozen. Thirty-four observers in 5 parties. Total party-hours, 260 (48 on foot, 212 by car); total party-miles, 637 (98 on foot, 539 by car). Mallard, 3; Black Duck, 1; Cooper's Hawk, 1; Red-tailed Hawk, 10; Red-shouldered Hawk, 10; Sparrow Hawk, 10; Ruffed Grouse, 3; Ring-necked Pheasant, 1; Killdeer, 4; Mourning Dove, 74; Screech Owl, 4; Horned Owl, 4; Belted Kingfisher, 2; Yellow-shafted Flicker, 16; Pileated Woodpecker, 5; **Yellow-bellied Sapsucker,** 3; Hairy Woodpecker, 25; Downy Woodpecker, 94; Horned Lark, 30; Blue Jay, 265; Am. Crow, 538; Black-capped Chickadee, 347; Tufted Titmouse, 128; White-breasted Nuthatch, 70; Brown Creeper, 2; Winter Wren, 2; Carolina Wren, 5; Catbird, 2; Brown Thrasher, 1; Am. Robin, 553; Hermit Thrush, 9; Eastern Bluebird, 55; Golden-crowned Kinglet, 4; Cedar Waxwing, 332; Gray Shrike, 1; Common Starling, 1452; Myrtle Warbler, 2; House Sparrow, 781; Red-winged Blackbird, 12; Rusty Blackbird, 2; Purple Grackle, 78; Brown-headed Cowbird, 1; Cardinal, 100; Evening Grosbeak, 19; Purple Finch, 62; Pine Siskin, 73; Am. Goldfinch, 141; Eastern Towhee, 2; Slate-colored Junco, 854; Am. Tree Sparrow, 881; Field Sparrow, 6; White-throated Sparrow, 275; Fox Sparrow, 1; Swamp Sparrow, 3; Song Sparrow, 32. **Total,** 55 species; about 7391 individuals.—Mr. and Mrs. Kenneth Absalon, Mr. and Mrs. Henry H. Appleby, Mrs.

Oliver C. Billings, Mr. and Mrs. Frank Bowers, Norman Brydon, Maurice Chaillet, Mr. and Mrs. Richard H. Cubberly, Mrs. Paul J. Fogel, Mrs. Arthur V. Gemmill, J. W. Hand, Charles Hoiles, May Leonard, Mr. and Mrs. W. F. Mountain, Mr. and Mrs. John Neal, Dr. and Mrs. R. P. Riesz, Herman Redden, Hadley Roe, Duncan Sharpe, Mr. and Mrs. C. B. Schaughency, Edith Smith, Mrs. Foster D. Smith, Mrs. Arthur Warmington, Mr. and Mrs. Melvin J. Weig, Lois Wenman, A. Wittenberg.

101. Mount Holly, N. J. (same area as former years; creek 50%, farmland 10%, river 15%, pine groves 15%, woodland 10%).—Dec. 24; 6:30 a.m. to 4:30 p.m.; temp. 30° to 40°; no wind; light snow on ground, ice on ponds and lakes. Eight observers in 5 parties; total party-hours, 42 (5 on foot, 23 by car, 14 at feeders); total party-miles, 67 (12 on foot, 55 by car). Horned Grebe, 1; Pied-billed Grebe, 2; Canada Goose, 1; Black Duck, 13; Wood Duck, 2; Am. Merganser, 5; Turkey Vulture, 15; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 8; Killdeer, 5; Herring Gull, 6; Mourning Dove, 172; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 12; Horned Lark, 6; Blue Jay, 19; Am. Crow, 170; Fish Crow, 4; Black-capped Chickadee, 18; Carolina Chickadee, 10; Tufted Titmouse, 20; White-breasted Nuthatch, 17; Red-breasted Nuthatch, 4; Brown Creeper, 1; Carolina Wren, 1; Mockingbird, 2; Am. Robin, 9; Hermit Thrush, 1; Eastern Bluebird, 1; Loggerhead Shrike, 1; Common Starling, 500; House Sparrow, 20; Eastern Meadowlark, 16; Red-winged Blackbird, 160; Rusty Blackbird, 4; Purple Grackle, 53; Brown-headed Cowbird, 50; Cardinal, 12; **Evening Grosbeak, 215**; Pine Siskin, 5; Am. Goldfinch, 25; Savannah Sparrow, 1; Slate-colored Junco, 15; Am. Tree Sparrow, 10; Field Sparrow, 15; White-throated Sparrow, 54; Fox Sparrow, 13; Song Sparrow, 8. **Total,** 53 species; about 1711 individuals. (Mallard, Pintail, Am. Coot, Wilson's Snipe, Great Black-backed Gull, Myrtle Warbler, Purple Finch seen in area during count period.)—Mr. and Mrs. Charles Applegate, Mr. and Mrs. William H. Trump, May Middleton, J. Russell Sprow, Mrs. Nelson D. Pumyea, Nelson D. Pumyea (compiler).

102. Northwestern Gloucester County, N. J. (same area and habitat percentages as last year).—Dec. 31; 7 a.m. to 9:30 p.m. Clear until 3 p.m., partly cloudy thereafter; temp. 18° to 32°; wind NW, 8-18 m.p.h.; ground bare, marshes and ponds frozen, tidal creeks largely covered with floating ice). Forty observers in 12 parties. Total party-hours, 100 (55 on foot, 45 by car); total party-miles, 411 (62 on foot, 349 by car). Great Blue Heron, 5; Black-crowned Night Heron, 5; Canada Goose, 25; Mallard, 19; Black Duck, 576; Pintail, 35; Redhead, 5; Canvas-back, 15; Greater Scaup, 31; Lesser Scaup, 5; Ruddy Duck, 200; Hooded Merganser, 1; Am. Merganser, 160; Turkey Vulture, 138; Sharp-shinned Hawk, 1; Cooper's Hawk, 4; Red-tailed Hawk, 14; Red-shouldered Hawk, 4; Rough-legged Hawk, 1; Bald Eagle, 3; Marsh Hawk, 16; Sparrow Hawk, 54; Bob-white, 3 (distressingly low); Ring-necked Pheasant, 4; Killdeer, 4; Wilson's Snipe, 7; Great Black-backed Gull, 2; Herring Gull, 307; Ring-billed Gull, 60; Mourning Dove, 530; Barn Owl, 1; Screech Owl, 2; Horned Owl, 1; Long-eared Owl, 2; Saw-whet Owl, 3; Belted Kingfisher, 12; Yellow-shafted Flicker, 17; Hairy Woodpecker, 9; Downy Woodpecker, 50; Eastern Phoebe, 1; Horned Lark, 382; Blue Jay, 85; Am. Crow, 2556; Fish Crow, 802; Carolina Chickadee, 175; Tufted Titmouse, 78; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 9; Brown Creeper, 11; Winter Wren, 7; Carolina Wren, 35; Mockingbird, 27; Catbird, 4; Am. Robin, **1624**; Eastern Bluebird, 23; Golden-crowned Kinglet, 27; Ruby-crowned Kinglet, 3; Cedar Waxwing, 20; Common Starling, 9672; Myrtle Warbler, 11; House Sparrow, 737; Eastern Meadowlark, 147; Red-winged Blackbird, 692; Rusty Blackbird, 6; **Baltimore Oriole, 2** (present for weeks); Purple Grackle, 359 (75 Bronzed); Brown-headed Cowbird, 33; Cardinal, 151; Evening Grosbeak, 23; Purple Finch, 23; Am. Goldfinch, 148; Eastern Towhee, 2; Savannah Sparrow, 5; Vesper Sparrow, 20; Slate-colored Junco, **2960**; Am. Tree Sparrow, 290; **Chipping Sparrow, 1** (carefully identified—R.F., N.W., F.V.S.); Field Sparrow, 179; **White-crowned Sparrow,** 77 (regular in winter in recent years); White-throated Sparrow, 1342; Fox Sparrow, 12; Swamp Sparrow, 10; Song Sparrow, 287; Snow Bunting, 3. **Total,** 84 species (1 additional subspecies); about 25,402 individuals.—Paul Battersby, Carl Bresler, Josephine Brown, Drew Byers, Tom Byers, Robert Cotton, Robert Drew, Kingsley Ebert, Richard Ebert, Josephine Estes, Pat Fries, Russell Fowler, Mimi Glass, Wyn Glass, George Hitchner, William Jay, William Jenkins, Lois King, Harry Lake, Philip Lawrence, Roger Lawrence, Thelma Middleton, W. R. Middleton (compiler), Richard Miller, Walter Morrison, Walter Oblinger, Fred Poole, Julian K. Potter, E. J. Reimann, Henry Rodberg, Dale Sanville, Grace Smith, Robert Smith, Dorothy Shuman, Clarence Stasz, Fred Van Sant, Helen Wright, Richard Wright, Jack Wykoff, N. C. Wyckoff.

103. Oceanville, N. J. (same area as 1954; 7½-mile radius centered at Headquarters of Brigantine National Wildlife Refuge).—Dec. 26; 7 a.m. to 4:30 p.m. Clear; temp. 28° to 35°; wind NW, 10-18 m.p.h.; ice on fresh water, ground bare. Fifteen observers in 5 parties. Total party-hours, 142 (68 on foot, 74 by car); total party-miles, 254 (42 on foot, 212 by car). Common Loon, 2; Red-throated Loon, 1; Red-necked Grebe, 3; Horned Grebe, 71; Pied-billed Grebe, 3; Gannet, 6; Double-crested Cormorant, 9; Great Blue Heron, 71; Little Blue Heron, 2; Black-crowned Night Heron, 92; Am. Bittern, 2; Whistling Swan, 2; Canada Goose, 107; Am. Brant, **140,000**; Mallard, 45; Black Duck, 20,000; Pintail, 17; Green-winged Teal, 1; Shoveller, 6; Redhead, 16; Ring-necked Duck, 2; Canvas-back, 13; Greater Scaup, 620; Lesser Scaup, 124; Am. Golden-eye, 137; Buffle-head, 367; Old-squaw, 49; White-winged Scoter, 80; Surf Scoter, 38; Am. Scoter, 25; Ruddy

Duck, 17; Hooded Merganser, 20; Red-breasted Merganser, 231; Turkey Vulture, 4; Sharp-shinned Hawk, 1; Cooper's Hawk, 4; Red-tailed Hawk, 5; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Bald Eagle, 5; Marsh Hawk, 27; Sparrow Hawk, 14; Bobwhite, 1; Clapper Rail, 1; Killdeer, 14; Black-bellied Plover, 8; Wilson's Snipe, 2; Purple Sandpiper, 4; Red-backed Sandpiper, 640; Sanderling, 1795; Great Black-backed Gull, 96; Herring Gull, 8323; Ring-billed Gull, 698; Bonaparte's Gull, 58; Mourning Dove, 9; Barn Owl, 1; Short-eared Owl, 2; Belted Kingfisher, 6; Yellow-shafted Flicker, 22; Hairy Woodpecker, 1; Downy Woodpecker, 2; Horned Lark, 15; Tree Swallow, 7; Blue Jay, 52; Am. Crow, 192; Fish Crow, 10; Carolina Chickadee, 96; Tufted Titmouse, 59; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 6; Brown Creeper, 1; Winter Wren, 1; Carolina Wren, 1; Mockingbird, 9; Catbird, 2; Brown Thrasher, 1; Am. Robin, 516; Hermit Thrush, 3; Eastern Bluebird, 44; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 1; Water Pipit, 4; Cedar Waxwing, 14; Loggerhead Shrike, 1; Common Starling, 4735; Myrtle Warbler, 4941; Palm Warbler, 7; House Sparrow, 109; Eastern Meadowlark, 5; Red-winged Blackbird, 404; Brown-headed Cowbird, 151; Cardinal, 81; Purple Finch, 1; Pine Siskin, 25; Am. Goldfinch, 283; Eastern Towhee, 3; Ipswich Sparrow, 3; Savannah Sparrow, 8; Slate-colored Junco, 647; Am. Tree Sparrow, 158; Field Sparrow, 67; White-throated Sparrow, 513; Fox Sparrow, 7; Swamp Sparrow, 2; Song Sparrow, 44; Snow Bunting, 9. **Total,** 106 species; about 187,169 individuals.—Mrs. Dorothy Battersby, Paul Battersby (compiler), Drew C. Byers, Tom J. Byers, Lawrence Corn, William Forward, Edward Manners, Mrs. Doris McLaughlin, Frank W. McLaughlin, W. R. Middleton, Walter Morrison, F. P. Poole, Julian K. Potter, George Reynard, Clarence Stasz.

104. Princeton, N. J. (within a 9.4-mile diameter centering on Graduate College; villages, estates, farms, lowland and upland deciduous woods, cedar and pine groves, swamp, marsh, lake, ponds, streams).—Dec. 27; 6:55 a.m. to 5:30 p.m. Cloudless; temp. 18° to 26°; wind NE, brisk; ground bare, nearly all waters frozen. Nine observers, 8 in 5 parties, 1 at food station. Total party-hours, 42¼ (41½ on foot, ¾ by car); total party-miles, 46 (34 on foot, 12 by car). Mallard, 150; Black Duck, 50; Am. Widgeon, 6; Pintail, 2; Green-winged Teal, 2; Sharp-shinned Hawk, 2; Red-tailed Hawk, 2; Red-shouldered Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 6; Ring-necked Pheasant, 7; Killdeer, 1; Herring Gull, 2; Mourning Dove, 43; Horned Owl, 1; Yellow-shafted Flicker, 16; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 8; Downy Woodpecker, 53; Blue Jay, 85; Am. Crow, 270; Black-capped and Carolina Chickadees, 82; Tufted Titmouse, 29; White-breasted Nuthatch, 31; Red-breasted Nuthatch, 5; Brown Creeper, 2; Winter Wren, 2; Carolina Wren, 3; Mockingbird, 1; Catbird, 1; Am. Robin, 48; Hermit Thrush, 1; Eastern Bluebird, 18; Golden-crowned Kinglet, 4; Cedar Waxwing, 25; Common Starling, 1044; Myrtle Warbler, 450; House Sparrow, 729; Eastern Meadowlark, 67; Red-winged Blackbird, 16; Purple Grackle, 142; Brown-headed Cowbird, 20; Cardinal, 63; Evening Grosbeak, 18; Purple Finch, 57; Am. Goldfinch, 57; Eastern Towhee, 3; Savannah Sparrow, 1; Slate-colored Junco, 350; Am. Tree Sparrow, 131; Field Sparrow, 12; White-throated Sparrow, 565; Fox Sparrow, 2; Swamp Sparrow, 2; Song Sparrow, 82. **Total,** 56 species; about 4776 individuals. (Seen in area count period: Pied-billed Grebe, Turkey Vulture, Red-headed Woodpecker, **Water Pipit, Common Yellowthroat.**)—W. F. Alston, E. D. Bloor, Jr., R. D. Dingle, J. M. Kriz, R. M. Laughlin, F. W. Loetscher, Jr., (J. K. Meritt, Dec. 24), C. H. (compiler) and W. S. Rogers, A. L. Shinn.

105. Ramsey, N. J. (area and habitats same as last year).—Dec. 26; 7:30 a.m. to 5 p.m. Clear to partly cloudy; temp. 26° to 32°; wind NW, 25 m.p.h.; some snow patches, lakes and ponds frozen. Thirteen observers in 5 parties. Total party-hours, 40 (34 on foot, 6 by car); total party-miles, 188 (28 on foot, 160 by car). **Great Blue Heron,** 1; **Black-crowned Night Heron,** 1; **Mute Swan,** 4; Canada Goose, **116**; Mallard, 97; Black Duck, **76**; Hooded Merganser, 4; Am. Merganser, 4; **Turkey Vulture,** 1; Cooper's Hawk, **3**; Red-tailed Hawk, **4**; Sparrow Hawk, 2; Ruffed Grouse, 1; Ring-necked Pheasant, 1; Herring Gull, 43; Mourning Dove, 13; Screech Owl, 1; **Barred Owl,** 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker. **6**; Hairy Woodpecker, 13; Downy Woodpecker, 40; Blue Jay, **195**; Am. Crow, 218; Black-capped Chickadee, 182; Tufted Titmouse, 81; White-breasted Nuthatch, 61; **Carolina Wren,** 1; Catbird, 2; Am. Robin, **129**; Hermit Thrush, 1; Eastern Bluebird, **6**; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 1; Common Starling, 621; House Sparrow, 263; **Rusty Blackbird,** 1; **Brown-headed Cowbird, 45**; Cardinal **36**; Evening Grosbeak, **159**; Purple Finch, 41; Am. Goldfinch, **92**; Eastern Towhee, **2**; Slate-colored Junco, 435; Am. Tree Sparrow, 187; Field Sparrow, 1; White-throated Sparrow, 109; Swamp Sparrow, 2; Song Sparrow, **56. Total,** 50 species; about 3365 individuals. (Seen during count period: Fox Sparrow, Cedar Waxwing.)—Mr. and Mrs. John Y. Dater, Roy Dietert (compiler), Joan Dietert, Vail Frost, Robert Harsh, Mr. and Mrs. E. D. MacDonald, Stiles Thomas, Robert Turner, E. E. Wanek, Mr. and Mrs. L. Webster (Fyke Nature Association).

106. Raritan Estuary, N. J. (same area and habitats as in previous years).—Dec. 26; 6:30 a.m. to 4:45 p.m. Clear; temp. 19° to 31°; wind NW, 19-25 m.p.h.; ground clear, fresh water and river margins frozen, most salt water open. Eleven observers in 6 parties. Total party-hours, 30 (19 on foot, 11 by car); total party-miles, 258 (32 on foot, 226 by car). Double-crested Cormorant, 1; Mute Swan, 2; swan (sp.) 2 (in flight at extreme range); Mallard, 145; Black Duck, 1590; Pintail, 2; Redhead, 4; Canvas-back, **835**; Greater Scaup, 2617; Am. Golden-eye, 91; Buffle-head, 274; Old-squaw, 12; Hooded Mer-

ganser, 1; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 6; Red-shouldered Hawk, 2; Marsh Hawk, 3; Sparrow Hawk, 7; Ring-necked Pheasant, 1; Killdeer, 10; Black-bellied Plover, 1; Red-backed Sandpiper, 2; **Western Sandpiper,** 1 (closely studied alongside Red-backs—G.C.); Great Black-backed Gull, 38; Herring Gull, 1298; Ring-billed Gull, 50; Laughing Gull, 2; Mourning Dove, 3; Barn Owl, 3; Yellow-shafted Flicker, 4; Hairy Woodpecker, 2; Downy Woodpecker, 6; Horned Lark, 221 (41 Prairie); Blue Jay, 58; Am. Crow, 452; Fish Crow, 6; Black-capped Chickadee, 14; Carolina Chickadee, 4; Tufted Titmouse, 3; White-breasted Nuthatch, 2; Brown Creeper, 2; Mockingbird, 2; Brown Thrasher, 1; Am. Robin, **69**; Eastern Bluebird, 1; Golden-crowned Kinglet, 3; Common Starling, 1851 in daytime, 65,000 in roost; Myrtle Warbler, 28; House Sparrow, 217; Eastern Meadowlark, 11; Red-winged Blackbird, 25 in daytime, 60,000 in roost; Purple Grackle, 11 in daytime (Purple and Bronzed identified), 5000 in roost; Brown-headed Cowbird, 53 in daytime, 35,000 in roost; Cardinal, 16; Am. Goldfinch, 27; Eastern Towhee, **10**; Savannah Sparrow, 2; Sharp-tailed Sparrow, 1; Slate-colored Junco, 251; Am. Tree Sparrow, 405; Field Sparrow, 6; White-throated Sparrow, 160; Swamp Sparrow, 17; Song Sparrow, 59; Snow Bunting, 70. **Total,** 65 species (2 additional subspecies); about 174,136 individuals. (In area during count period: Evening Grosbeak.)—Gilbert Cant (compiler), John G. Cant, Robert C. Conn, Glen Coven, David Fables, Jr., Maarten van de Kamp, William F. Sandford, George M. Seeley, Don, Glen and Lester Woolfenden (Urner Ornithological Club).

107. Sussex County, N. J. (same area as in previous years).—Jan. 1; 7 a.m. to 5 p.m. Snow flurries early, fair thereafter; temp. 15° to 25°; wind W, 14-3 m.p.h.; lakes completely frozen. Twenty-two observers, 17 in 6 parties, 5 at feeders. Total party-hours, 41 (2 on foot, 39 by car); total party-miles, 387 (2 on foot, 385 by car). Black Duck, 8; Am. Merganser, 1; Cooper's Hawk, 1; Red-tailed Hawk, 8; Rough-legged Hawk, 1; Sparrow Hawk, 6; Ruffed Grouse, 1; Mourning Dove, 155; Screech Owl, 2; Belted Kingfisher, 6; Yellow-shafted Flicker, 3; Red-headed Woodpecker, 3; Hairy Woodpecker, 10; Downy Woodpecker, 41; Horned Lark, 100; Blue Jay, 105; Am. Crow, 198; Black-capped Chickadee, 106; Tufted Titmouse, 3; White-breasted Nuthatch, 21; Red-breasted Nuthatch, 1; Winter Wren, 1; Am. Robin, **699**; Eastern Bluebird, 24; Golden-crowned Kinglet, 2; Cedar Waxwing, 56; Gray Shrike, 2; Loggerhead Shrike, 1; Common Starling, 3040; House Sparrow, 1234; Eastern Meadowlark, 24; Cardinal, 35; Evening Grosbeak, 81; Purple Finch, 3; Pine Siskin, 12; Am. Goldfinch, 81; Slate-colored Junco, 355; Am. Tree Sparrow, 642; White-throated Sparrow, 15; Fox Sparrow, 4; Swamp Sparrow, 3; Song Sparrow, 14. **Total,** 42 species; about 7108 individuals.—Allen Black, Ella Black, Beth Case, Elizabeth Cherepy, Louis Cherepy, Eleanor Coes, H. V. Coes, A. F. Dillman, Nora Dillman, Mrs. M. Hunt, George Johnson, Mrs. T. Lanz, Richard Mason, James Nestel, Louise Nestel, Betty Nixdorf, E. B. Nixdorf (compiler), Mrs. L. Potter, Paul Ratti, Mrs. R. H. Seip, Mrs. A. Valerio, James Zamos.

108. Allentown, Pa. (same area and habitat percentages as last year).—Dec. 26; 7 a.m. to 3:30 p.m. Partly cloudy; temp. 16° to 36°; wind WNW, 12-31 m.p.h. Twelve observers in 3 parties. Total party-hours, 27 (24 on foot, 3 by car); total party-miles, 81 (17 on foot, 64 by car). Great Blue Heron, 1; Mallard, 459; Black Duck, 53; **European Widgeon, 1 (female**—J.E.T.); Am. Widgeon, 150; Pintail, 13; Green-winged Teal, 6; Redhead, 4; Canvas-back, 2; Hooded Merganser, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-shouldered Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 6; Ring-necked Pheasant, 14; Herring Gull, 1; Ring-billed Gull, 6; Mourning Dove, 16; Long-eared Owl, 3; Belted Kingfisher, 3; Yellow-shafted Flicker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 27; Horned Lark, 350 (2 races); Blue Jay, 13; Am. Crow, 65; Black-capped Chickadee, 78; Tufted Titmouse, 24; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 6; Brown Creeper, 4; Carolina Wren, 1; Mockingbird, 1; Am. Robin, **156** (actual count); Golden-crowned Kinglet, 5; **Ruby-crowned Kinglet,** 2; Gray Shrike, 1; Common Starling, 3484; Myrtle Warbler, 1; House Sparrow, 837; Eastern Meadowlark, 4; Purple Grackle, 1; Brown-headed Cowbird, 2; Cardinal, 46; Evening Grosbeak, 38; Am. Goldfinch, 21; Slate-colored Junco, 404; Am. Tree Sparrow, 181; White-throated Sparrow, 73; Song Sparrow, 37. **Total,** 51 species (1 additional subspecies); about 6622 individuals. (Seen in area count period: Red-tailed Hawk, Killdeer, Water Pipit.)—Catharine L. Barlieb, Albert Hinkel, Clara Luckenbach, Mrs. W. C. Mebane, John Mest, Clinton Miller, Robert Miller, Carl E. Montgomery (compiler), Earl E. Montgomery, John E. Trainer, Herman A. Weil, Leonard Wesson (Lehigh Valley Bird Club).

109. Carlisle, Pa. (same area as 1951; creeks, ponds, and springs 40%, open farmland 25%, mixed woodland 25%, deciduous farm woodlots 5%, town suburbs 5%).—Dec. 31; 7:30 a.m. to 5 p.m. Clear; temp. 22° to 32°; wind NW, 25-30 m.p.h.; ground bare, springs and some streams unfrozen. Seven observers in 3 parties. Total party-hours, 21 (6 on foot, 15 by car); total party-miles, 201 (9 on foot, 192 by car). Pied-billed Grebe, 1; Great Blue Heron, 1; Am. Merganser, 8; Cooper's Hawk, 1; Red-tailed Hawk, 1; Sparrow Hawk, 3; Ruffed Grouse, 1; Ring-necked Pheasant, 5; **Turkey,** 3; Killdeer, 22; Mourning Dove, 210; Belted Kingfisher, 6; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 1; **Red-headed Woodpecker,** 2; **Yellow-bellied Sapsucker,** 2 (carefully studied); Downy Woodpecker, 13; Horned Lark, 225; Blue Jay, 15; Am. Crow, 1458; Black-capped Chickadee, 21; Tufted Titmouse, 12; White-breasted Nuthatch, 2; Brown Creeper, 2; Carolina Wren, 3; Mockingbird, 10; Am. Robin, 26; Golden-crowned Kinglet, 3; Cedar Waxwing, 31; Common Starling, 1127; House Sparrow, 281; Purple Grackle, 2; Cardinal, 54; Evening Grosbeak, 39; Purple Finch,

1; Am. Goldfinch, 29; Eastern Towhee, 1; Slate-colored Junco, 111; Am. Tree Sparrow, 38; White-throated Sparrow, 17; Song Sparrow, 16. **Total,** 41 species; about 3805 individuals. (Seen in area during period: Screech Owl, Brown-headed Cowbird.)—Forrest C. Grimm (compiler), Mr. and Mrs. J. C. M. Grimm, Mr. and Mrs. E. L. Minnich, Mr. and Mrs. H. G. Van Riper.

110. **Chambersburg, Pa.** (circle centered about 6½ miles northwest of Chambersburg, including Chambersburg, Fannettsburg, St. Thomas; upland forest 55%, lakes and streams 25%, fields and open farmland 20%).—Dec. 27; 8 a.m. to 6 p.m. Mostly clear; temp. 18° to 29°; wind N to NW, 0-10 m.p.h.; lakes, ponds and most streams frozen, spring-fed streams open. One observer. Total hours, 10 (6 on foot, 4 by car); total miles, 63 (3 on foot, 60 by car). Mallard, 2; Am. Widgeon, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 1; Bob-white, 12; Killdeer, 3; **Wilson's Snipe,** 3; Hairy Woodpecker, 2; Downy Woodpecker, 6; Blue Jay, 2; Am. Crow, 5457; Black-capped Chickadee, 4; Tufted Titmouse, 14; White-breasted Nuthatch, 4; Brown Creeper, 3; Carolina Wren, 3; Mockingbird, 2; Am. Robin, 1; Golden-crowned Kinglet, 2; Common Starling, 1200; House Sparrow, 20; Eastern Meadowlark, 1; **Purple Grackle, 5000**; Cardinal, 8; Purple Finch, 3; Am. Goldfinch, 8; Slate-colored Junco, 50; Am. Tree Sparrow, 30; Field Sparrow, 2; White-throated Sparrow, 1; Song Sparrow, 8. **Total,** 34 species; about 11,859 individuals. (Seen in area count period: Green-winged Teal, Turkey Vulture.)—Joseph A. Beatty.

111. **Clairton, Pa.** (same area as last 4 years).—Dec. 31; 7:30 a.m. to 5:30 p.m. Some clouds a.m., overcast p.m.; temp. 18° to 26°; wind WNW, 8-12 m.p.h.; traces of late snowfall, ponds frozen, ice on streams. One observer. Total hours, 10; total miles, 8 (all on foot). Cooper's Hawk, 2; Screech Owl, 2; Downy Woodpecker, 5; Am. Crow, 4; Black-capped Chickadee, 2; Carolina Chickadee, 3; Tufted Titmouse, 8; Carolina Wren, 10; Common Starling, 1019; House Sparrow, 24; Cardinal, 34; Am. Goldfinch, 3; Slate-colored Junco, 27; Am. Tree Sparrow, 10; Song Sparrow. 3. **Total,** 15 species; about 1156 individuals.—Ellis H. Shimp.

112. **Easton, Pa.** (7½-mile radius from junction of Delaware and Lehigh Rivers; open farmland 50%, overgrown fields 25%, deciduous woods 25%).—Jan. 1; 7:30 a.m. to 5:30 p.m. Cloudy, snow flurries a.m., fair p.m.; temp. 25° to 35°; wind NW to N, 5-15 m.p.h.; ponds and larger streams frozen. Six observers in 4 parties. Total party-hours, 28 (21½ on foot, 6½ by car); total party-miles, 122 (19 on foot, 103 by car). Pied-billed Grebe, 1; Mallard, 80; Black Duck, 64; Pintail, 1; Green-winged Teal, 1; Ring-necked Duck, 2; Am. Golden-eye, 2; Ruddy Duck, 1; Am. Merganser, 11; Cooper's Hawk, 1; Red-tailed Hawk, 7; Red-shouldered Hawk, 2; Sparrow Hawk, 8; Ring-necked Pheasant, 1; Killdeer, 1; Herring Gull, 2; Ring-billed Gull, 1; Mourning Dove, 121; Belted Kingfisher, 4; Yellow-shafted Flicker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 24; Horned Lark, 68; Blue Jay, 27; Am. Crow, 93; Fish Crow, 2; Black-capped Chickadee, 59; Tufted Titmouse, 23; White-breasted Nuthatch, 6; Brown Creeper, 4; Winter Wren, 1; Carolina Wren, 2; Am. Robin, 27; Eastern Bluebird, 5; Golden-crowned Kinglet, 2; Loggerhead Shrike, 1; Common Starling, 6711; House Sparrow, 988; Eastern Meadowlark, 45; Brown-headed Cowbird, 50; Cardinal, 47; Evening Grosbeak, 5; Purple Finch, 22; Am. Goldfinch, 38; Slate-colored Junco, 678; Am. Tree Sparrow, 132; White-throated Sparrow, 137; Swamp Sparrow, 1; Song Sparrow, 10. **Total,** 49 species; about 9523 individuals. (Seen in area count period: Yellow-bellied Sapsucker.)—Dr. and Mrs. George A. Clark, George A. Clark, Jr., June R. Conway, Albert E. Conway (compiler), James L. Dyson.

113. **Elverson, Pa.** (same area as in previous years).—Dec. 28; 6 a.m. to 6 p.m. Clear; temp. 6° to 30°; wind NW, 2-5 m.p.h.; ground bare, ponds frozen, streams partly open. Fifteen observers in 5 parties. Total party-hours, 55 (43 on foot, 12 by car); total party-miles, 230 (49 on foot, 181 by car). **Am. Bittern,** 1; Mallard, 75; Black Duck, 18; Turkey Vulture, 1; Sharp-shinned Hawk, 3; Cooper's Hawk, 3; Red-tailed Hawk, 18; Red-shouldered Hawk, 10; Marsh Hawk, 1; Sparrow Hawk, 11; Ruffed Grouse, 5; Ring-necked Pheasant, 54; Killdeer, 1; Wilson's Snipe, 8; Mourning Dove, 87; Barn Owl, 1; Screech Owl, 2; Horned Owl, 8; Long-eared Owl, 13; Belted Kingfisher, 3; Yellow-shafted Flicker, 19; Pileated Woodpecker, 3; **Red-bellied Woodpecker,** 3 (1 at feeder for a month); Hairy Woodpecker, 21; Downy Woodpecker, 112; **Eastern Phoebe,** 1; Horned Lark, 315; Blue Jay, 182; Am. Crow, 1317; Black-capped Chickadee, 130; Carolina Chickadee, 9; Tufted Titmouse, 119; White-breasted Nuthatch, 48; Brown Creeper, 1; Winter Wren, 3; Carolina Wren, 9; **Mockingbird,** 2; **Catbird,** 1; Am. Robin, 78; Hermit Thrush, 2; Eastern Bluebird, 39; Golden-crowned Kinglet, 10; Cedar Waxwing, 23; Common Starling, 993; Myrtle Warbler, 22; House Sparrow, 542; Eastern Meadowlark, 19; Red-winged Blackbird, 25; Brown-headed Cowbird, 1; Cardinal, 127; Evening Grosbeak, 26; Purple Finch, 45; Pine Grosbeak, 5; Pine Siskin, 2; Am. Goldfinch, 248; Eastern Towhee, 1; Slate-colored Junco, 751; Am. Tree Sparrow, 1032; Field Sparrow, 4; **White-crowned Sparrow,** 1 (in same thicket for 2 months); White-throated Sparrow, 228; Swamp Sparrow, 3; Song Sparrow, 140. **Total,** 63 species; about 6985 individuals. (Seen during count week: Purple Grackle, Green-winged Teal.)—Richard Benner, Mrs. Cyril Bryan, Kenneth Cook, Robert E. Cook (compiler), Mr. and Mrs. John Frankenfield, Beryl Hurlock, Phyllis Hurlock, Thorton Kline, Clair Mast, Nevin Musser, Arthur Sigman, Smith Sigman, Norman Styer, Mary L. Thomas. (Elverson Bird Club and friends).

114. **Glenolden, Pa.** (7½-mile radius from Wallingford, same territory as in previous years; marsh

25%, deciduous woodland 20%, pine woods 20%, town suburbs 10%, water 10%, uncultivated fields 10%, farmland 5%).—Dec. 31; 4 a.m. to 5 p.m. Clear to overcast; temp. 17° to 35°; wind NW, 5-15 m.p.h.; ground clear, marshes and ponds frozen, reservoir partly open, Delaware River open. Twenty-three observers in 12 parties. Total party-hours, 89 (45 on foot, 44 by car); total party-miles, 472 (61 on foot, 411 by car). Horned Grebe, 1; Pied-billed Grebe, 3; Great Blue Heron, 1; Black-crowned Night Heron, 3; Canada Goose, 10; Mallard, 354; Black Duck, 2875; Am. Widgeon, 12; Pintail, 3314; Green-winged Teal, 7; Greater Scaup, 13; Am. Golden-eye, 1; Ruddy Duck, **5226**; Am. Merganser, 11; Red-breasted Merganser, 2; Turkey Vulture, 3; Sharp-shinned Hawk, 1; Red-tailed Hawk, 23; Red-shouldered Hawk, 4; Rough-legged Hawk, 1; Marsh Hawk, 24; Sparrow Hawk, 31; Ring-necked Pheasant, 31; Am. Coot, 2; Killdeer, 38; Wilson's Snipe, 6; Great Black-backed Gull, 7; Herring Gull, 719; Ring-billed Gull, 443; Mourning Dove, 28; Screech Owl, **21; Horned Owl,** 3; Long-eared Owl, 8; Belted Kingfisher, 7; Yellow-shafted Flicker, 10; Hairy Woodpecker, 9; Downy Woodpecker, 81; Horned Lark, 254; Blue Jay, 64; Am. Crow, 731; Fish Crow, 3; Black-capped Chickadee, 26; Carolina Chickadee, 20; Tufted Titmouse, 116; White-breasted Nuthatch, 32; Red-breasted Nuthatch, 11; Brown Creeper, 16; **House Wren,** 1 (D.C.); Winter Wren, 8; Carolina Wren, 16; Mockingbird, 9; Catbird, 3; Brown Thrasher, 2; Am. Robin, 220; Hermit Thrush, 14; Eastern Bluebird, 25; Golden-crowned Kinglet, 37; Cedar Waxwing, 21; Common Starling, 2749; Myrtle Warbler, 21; House Sparrow, 872; Eastern Meadowlark, 28; Red-winged Blackbird, 2421; Rusty Blackbird, 45; Purple Grackle, 2; Brown-headed Cowbird, 40; Cardinal, 172; **Evening Grosbeak,** 8; Purple Finch, 13; **House Finch,** 3 (at feeding station for 2 weeks—J. G.); Am. Goldfinch, 634; Eastern Towhee, 7; Savannah Sparrow, 18; Vesper Sparrow, 1; Slate-colored Junco, 1533; **Oregon Junco,** 1 (same area as last year—D.C.); Am. Tree Sparrow, **2169**; **Chipping Sparrow,** 1 (at feeding station for weeks); Field Sparrow, 138; White-crowned Sparrow, 1; White-throated Sparrow, 1592; Fox Sparrow, 78; Swamp Sparrow, 146; Song Sparrow, 913; **Lapland Longspur, 4**; Snow Bunting, 38. **Total,** 86 species; about 28,610 individuals. (Seen in area count week: Am. Bittern, Lesser Yellow-legs, Water Pipit, Pine Siskin.)—John Aull, Richard W. Coles, F. P. Corbett, Charles W. Craig, C. D. Craig, David Cutler, V. A. Debes, John A. Gillespie, Mabel Gillespie, Louise Howard, W. J. MacMurtrie, John C. Miller, Robert M. Miller, Charles E. Price, Jr., Edward H. Rigby (compiler), E. H. Rigby, 3rd., Reba D. Rigby, Harold J. Saxon, Paul W. Schwalbe, Asa Way, C. Brooke Worth, Douglas G. Worth, J. Kenneth Wright, Jr. (Delaware Valley Ornithological Club).

115. Goodville, Pa. (includes area previously censused as Bowmansville; center ½ mile northwest of Goodville, including parts of Muddy, Black and Conestoga Creeks and Welsh Mountain; deciduous upland 40%, coniferous forest 5%, pasture 10%, farmland 40%, fresh-water pond 5%).—Dec. 30; 7 a.m. to 5 p.m. Partly cloudy, light snow flurries; temp. 22° to 28°; wind NW, 2-15 m.p.h.; ground bare, ponds and streams frozen except parts of Conestoga Creek. Three observers in 2 parties. Total party-hours, 18 (12 on foot, 6 by car); total party-miles, 80 (17 on foot, 63 by car). Mallard, 33; Cooper's Hawk, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Sparrow Hawk, 7; hawk (sp.), 3; Ruffed Grouse, 2; Ring-necked Pheasant, 36; Killdeer, 7; Wilson's Snipe, 1; Mourning Dove, 57; Horned Owl, 2; Yellow-shafted Flicker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 17; Horned Lark, 1; Blue Jay, 7; Am. Crow, 860; Black-capped Chickadee, 13; Tufted Titmouse, 12; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 1; Brown Creeper, 2; Mockingbird, 1; Am. Robin, 2; Eastern Bluebird, 6; Cedar Waxwing, 30; Common Starling, 591; Myrtle Warbler, 10; House Sparrow, 189; Eastern Meadowlark, 8; Red-winged Blackbird, 2; Cardinal, 34; Purple Finch, 17; Am. Goldfinch, 41; Slate-colored Junco, 347; Am. Tree Sparrow, 40; White-throated Sparrow, 83; Song Sparrow, 15. **Total,** 38 species; about 2492 individuals.—Richard Glick, Clair Mast, Nevin Musser (compiler).

116. Harrisburg, Pa. (same area as previous years; hardwoods 45%, open fields 14%, creeks and rivers 30%, ponds and marshes 6%, pine woods 5%).—Dec. 26; 5 a.m. to 5 p.m. Clear; temp. 24° to 30°; wind NW, 5-25 m.p.h.; ground bare, ponds and streams frozen, open spots on river. Eighteen observers in 7 parties. Total party-hours, 59 (29 on foot, 30 by car); total party-miles, 346 (39 on foot, 307 by car). Mallard, 36; Black Duck, 287; Ring-necked Duck, 6; Canvasback, 4; Am. Golden-eye, 49; Buffle-head, 2; Am. Merganser, 146; Turkey Vulture, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 6; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 6; Sparrow Hawk, 9; Ruffed Grouse, 6; Bob-white, 30; Ring-necked Pheasant, 45; Killdeer, 19; Wilson's Snipe, 1; Herring Gull, 12; Ring-billed Gull, 5; Mourning Dove, **138**; Screech Owl, 1; Barred Owl, 1; Long-eared Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 17; Pileated Woodpecker, 3; Hairy Woodpecker, 9; Downy Woodpecker, 42; Horned Lark, 40; Blue Jay, 32; Am. Crow, 2074; Fish Crow, 4; Black-capped Chickadee, 147; Tufted Titmouse, 94; White-breasted Nuthatch, 19; Brown Creeper, 14; Winter Wren, 6; Carolina Wren, 12; Mockingbird, 4; Am. Robin, **259**; Hermit Thrush, 1; Golden-crowned Kinglet, 35; Cedar Waxwing, 8; Gray Shrike, 1; Common Starling, 14,707; Myrtle Warbler, 13; House Sparrow, 919; Eastern Meadowlark, 20; Rusty Blackbird, 6; Purple Grackle, **2567**; Brown-headed Cowbird, 80; Cardinal, 119; Evening Grosbeak, 13; Purple Finch, 1; Am. Goldfinch, 79; Slate-colored Junco, 1202; Am. Tree Sparrow, 296; Field Sparrow, 6; White-crowned Sparrow, 4; White-throated Sparrow, 74; Swamp Sparrow, 4; Song Sparrow, 92. **Total,** 65 species; about 23,847 individuals.—Jack Beatty, Mr. and Mrs. Ted Bihl, William Fenical, Robert Holcome, Frederick Howard

(compiler), Mr. and Mrs. D. L. Knohr, Anne Kutz, Mr. and Mrs. Miller, Philip Myers, Mrs. Ralph Peck, Richard Rauch, William Rhein, Mr. and Mrs. Gordon Thomas, Evans Thomas.

117. Lancaster, Pa. (7½-mile radius centered on northwest corner of Millersville, including middle and lower Conestoga River valley, Lancaster suburbs and parks, Lake Grubb, Susquehanna River from Columbia to Pequea; conifer plantings 5%, farmland 20%, pastures 20%, suburbs and parks 10%, streams and ponds 20%, light woodland 20%, heavy woodland 5%).—Dec. 26; 7:30 a.m. to 4:30 p.m. Partly cloudy; temp. 21° to 44°; wind WNW, average 13 m.p.h.; ponds and streams frozen, 1-in. snow on some northern exposures. Eighteen observers in 3 parties. Total party-hours, 22 (13½ on foot, 8½ by car); total party-miles, 94 (18 on foot, 76 by car). Great Blue Heron, 1; Black-crowned Night Heron, 2; Canada Goose, 7; Mallard, 44; Black Duck, 42; Am. Merganser, 28; Red-tailed Hawk, 1; Sparrow Hawk, 6; Bob-white, 9; Ring-necked Pheasant, 6; Killdeer, 1; Herring Gull, 3; Mourning Dove, 13; Belted Kingfisher, 3; Yellow-shafted Flicker, 2; **Red-bellied Woodpecker,** 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 22; **Eastern Phoebe,** 1; Blue Jay, 1; Am. Crow, 518; Black-capped Chickadee, 34; Tufted Titmouse, 27; White-breasted Nuthatch, 8; Brown Creeper, 3; Carolina Wren, 8; Mockingbird, 3; Am. Robin, 25; Hermit Thrush, 1; Eastern Bluebird, 8; Golden-crowned Kinglet, 1; Common Starling, 703; House Sparrow, 452; Cardinal, 68; Evening Grosbeak, 2; Am. Goldfinch, 61; Eastern Towhee, 1; Slate-colored Junco, 231; Am. Tree Sparrow, 1; Field Sparrow, 1; White-throated Sparrow, 201; Song Sparrow, 22. **Total,** 43 species; about 2576 individuals. (Evening Grosbeak in area week of count.)—Carl Bostrom, Richard Eyde, William Fenninger, Charles Hayford, M. L. Lampe, Stephan Lockey, I. Eugene Mohr, Ruth Nolt, Anne Phillips, W. Roy Phillips, J. W. Price, J. W. Price, Jr., Ruth Sener, Richard Sheppard, Philip Shively, Lewis C. Spencer, Mr. and Mrs. C. Y. Tanger (Lancaster County Bird Club).

118. Lewisburg, Pa. (4 miles west of Mifflinburg east to Montandon, north to Forest Hill and Housels Run, south to Winfield and Millmont, including Buffalo Creek, Dales Ridge, Shriners Island, Kincaid Swamp, Susquehanna River; mixed woodland 25% mountain woodland 13%, farmland 40%, river and creek bank 15%, cattail marsh 2%, suburb 5%).—Dec. 28; 5 a.m. to 6 p.m. Clear, very still; temp. 5° to 28°; river, ponds and streams frozen, ground clear. Eleven observers in 5 parties. Total party-hours, 36 (26 on foot, 10 by car); total party-miles, 219 (23 on foot, 196 by car). Horned Grebe, 1; Pied-billed Grebe, 2; Great Blue Heron, 1; Canada Goose, 9; Mallard, 22; Black Duck, 60; **Wood Duck, 5**; Am. Golden-eye, 19; Buffle-head, 2; Hooded Merganser, 1; Am. Merganser, 8; Turkey Vulture, 2; **Goshawk,** 1; Cooper's Hawk, 1; Red-tailed Hawk, 2; Sparrow Hawk, 8; Ruffed Grouse, 7; Bob-white, 20; Ring-necked Pheasant, 29; Turkey, 7; Mourning Dove, 135; Barn Owl, 3; Screech Owl, 3; Horned Owl, 2; Barred Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 1; Pileated Woodpecker, 2; **Yellow-bellied Sapsucker,** 1; Hairy Woodpecker, 7; Downy Woodpecker, 34; Horned Lark, 56; Blue Jay, 4; Am. Crow, 1850; Fish Crow, 2; Black-capped Chickadee, 91; Tufted Titmouse, 41; White-breasted Nuthatch, 9; Brown Creeper, 9; Winter Wren, 4; Carolina Wren, 4; Long-billed Marsh Wren, 1; **Mockingbird,** 1; Am. Robin, 9; Eastern Bluebird, 3; Golden-crowned Kinglet, 8; **Ruby-crowned Kinglet,** 5; Water Pipit, 52; Cedar Waxwing, 30; Gray Shrike, 1; Common Starling, 320; House Sparrow, 220; Purple Grackle, 3; **Scarlet Tanager,** 1 (present for 2 weeks—R.H., L.M.); Cardinal, 57; Evening Grosbeak, 1; Purple Finch, 18; Pine Grosbeak, 2; Pine Siskin, 23; Am. Goldfinch, 62; Slate-colored Junco, 425; Am. Tree Sparrow, 280; Field Sparrow, 22; White-crowned Sparrow, 25; White-throated Sparrow, 30; Fox Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 24. **Total,** 68 species; about 4094 individuals. (Seen in area official period: Rough-legged Hawk, Killdeer.)—Richard Frisby, Robert Gift, Robert Holman, Larry McQueen, Herman Reich, Betty Reich, Carolyn Ross, Hollis Ross (compiler), Roy Tasker, John West, Mrs. John West (Bucknell Ornithological Club).

119. Linesville, Pa. (7½-mile radius from 2 miles southeast of Linesville center, including part of Ohio shore of Pymatuning Reservoir and Conneaut Lake; lake shore 40%, swamp 10%, open fields 25%, towns 5%, mixed woods 20%).—Dec. 28; 7:30 a.m. to 4:30 p.m. Mostly sunny; temp. 8° to 27°; wind SW, 10-15 m.p.h.; ground bare, lakes and streams 99% frozen. Six observers in 2 parties. Total party-hours, 14 (9 on foot, 5 by car); total party-miles, 91 (12 on foot, 79 by car). Pied-billed Grebe, 2; Canada Goose, **2225**; Mallard, 350; Black Duck, 7; **Wood Duck,** 3 (young flying, from wing-clipped pair); Am. Golden-eye, 4; Sharp-shinned Hawk, 1; Red-tailed Hawk, 3; Sparrow Hawk, 1; Ruffed Grouse, 4; Ring-necked Pheasant, 10; Hairy Woodpecker, 2; Downy Woodpecker, 11; Blue Jay, 3; Am. Crow, 28; Black-capped Chickadee, 78; Tufted Titmouse, 1; White-breasted Nuthatch, 10; Brown Creeper, 4; Am. Robin, 2; Golden-crowned Kinglet, 6; Common Starling, 158; House Sparrow, 180; Cardinal, 25; Pine Siskin, 1; Am. Goldfinch, 1; Slate-colored Junco, 57; Am. Tree Sparrow, 118; **Field Sparrow,** 1; Swamp Sparrow, 3; Song Sparrow, 14. **Total,** 31 species; about 3315 individuals.—Sara E. Flaugh (compiler), Marguerite Geibel, Robert Gordon, Roger Harshaw, Imogene White, Jack Wykoff (Meadville Bird and Tree Club).

120. Lititz, Pa. (center of Lititz to 7 miles north, including Hammer Creek Valley, White Oak Pond; town suburb 10%, deciduous farm woodlots 30%, pasture 60%).—Dec. 26; 8 a.m. to 5 p.m. Clear; temp. 20° to 30°; wind NW, 5-8 m.p.h.; ponds frozen, creeks open. Four observers in 2 parties. Total party-hours, 18 (15 on foot, 3 by car); total party-

miles, 33 (15 on foot, 18 by car). Mallard, 83; Black Duck, 4; Turkey Vulture, 10; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 5; Red-shouldered Hawk, 1; Rough-legged Hawk, 2; Sparrow Hawk, 6; Ruffed Grouse, 2; Ring-necked Pheasant, 32; Killdeer, 2; Mourning Dove, 24; Screech Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 13; Horned Lark, 45; Blue Jay, 3; Am. Crow, 870; Black-capped Chickadee, 25; Tufted Titmouse, 15; White-breasted Nuthatch, 3; Brown Creeper, 2; Winter Wren, 2; Carolina Wren, 1; Mockingbird, 1; Am. Robin, 3; Hermit Thrush, 2; Eastern Bluebird, 5; Ruby-crowned Kinglet, 2; Cedar Waxwing, 31; Common Starling, **700,000**; Myrtle Warbler, 45; House Sparrow, 694; Eastern Meadowlark, 14; Purple Grackle, **9000**; Brown-headed Cowbird, **5000**; Cardinal, 22; Evening Grosbeak, 31; Purple Finch, 5; Am. Goldfinch, 80; Slate-colored Junco, 350; Am. Tree Sparrow, 311; Field Sparrow, 2; White-throated Sparrow, 2; Song Sparrow, 63. **Total,** 50 species; about 716,825 individuals. (Starlings and blackbirds in tremendous roost.)—Ford Gochenaur, Russell Markert, Charles Regennes, Jr., Barton L. Sharp (compiler) (Lititz Bird Club).

121. Lower Bucks County, Pa. (7½-mile radius from mile east of Langhorne, including Morrisville, Yardley, Wrightstown, Richboro, Churchville, Feasterville, Eddington, Delaware River near Pennsbury; open farmland 20%, town suburbs 5%, evergreen and deciduous woodlands 35%, brushy fields 35%, cattail and tidal marshland 5%).—Dec. 26; 7:30 a.m. to 4:30 p.m. Clear; temp. 22° to 30°; wind N, 10-30 m.p.h.; ground clear and deep-frozen, reservoir 95% frozen, streams, marshlands, even tidal marshlands frozen. Eleven observers in 7 parties. Total party-hours, 57 (27 on foot, 30 by car); total party-miles, 70 (18 on foot, 52 by car). Great Blue Heron, 2; Black-crowned Night Heron, 1; Canada Goose, 13; Mallard, 360; Black Duck, 326; Am. Widgeon, 9; Pintail, 42; Green-winged Teal, 7; Am. Golden-eye, 2; Am. Merganser, 572; Sharp-shinned Hawk, 2; Red-tailed Hawk, 6; Red-shouldered Hawk, 3; Rough-legged Hawk, 1; Marsh Hawk, 5; Sparrow Hawk, 16; Ring-necked Pheasant, 3; Am. Coot, 25; Killdeer, 2; Herring Gull, 142; Ring-billed Gull, 10; Mourning Dove, 13; Barn Owl, 1; Long-eared Owl, 7; Belted Kingfisher, 2; Yellow-shafted Flicker, 4; Hairy Woodpecker, 5; Downy Woodpecker. 27; Horned Lark, 1; Blue Jay, 22; Am. Crow, 1250; Fish Crow, 5; Black-capped Chickadee, 23; Tufted Titmouse, 14; White-breasted Nuthatch, 7; Brown Creeper, 2; **House Wren,** 1 (A.B.); Carolina Wren, 3; Mockingbird, 6; Am. Robin, 98; Hermit Thrush, 3; Eastern Bluebird, 5; Golden-crowned Kinglet, 7; Ruby-crowned Kinglet, 2; Loggerhead Shrike, 2; Common Starling, 2300; Myrtle Warbler, 1; **Palm Warbler,** 2 (J.M., A.B., L.T.); House Sparrow, 250; Red-winged Blackbird, 6; Purple Grackle, 30; Brown-headed Cowbird, 3; Cardinal, 14; Evening Grosbeak, 18; Purple Finch, 2; Pine Siskin, 3; Am. Goldfinch, 34; Slate-colored Junco, 276; Am. Tree Sparrow, 164; White-throated Sparrow, 179; Song Sparrow, 68. **Total,** 61 species; about 6409 individuals. (Seen during week: Field Sparrow, White-crowned Sparrow, Red-breasted Nuthatch, Pied-billed Grebe, Cedar Waxwing, Chipping Sparrow, Great Black-backed Gull, Screech Owl, Common Redpoll.)—A. Brady, A. Herzog, D. Jarden, W. Mammel, L. McConnell, J. McIlvain, D. Miller, M. Miller, G. Riley, L. Thomas, N. Wyckoff (Neshaminy Valley Nature Club).

122. New Bloomfield, Pa. (same area as 6 previous years).—Dec. 28; 6 a.m. to 5 p.m. Clear; temp. 10° to 25°; wind NW, 5 m.p.h.; ground bare, Juniata River and ponds frozen, running water open in spots. Eleven observers, 7 in 3 parties, 4 at feeding stations. Total party-hours, 23 (11 on foot, 12 by car); total party-miles, 203 (18 on foot, 185 by car). Mallard, 8; Black Duck, 5; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 3; **Pigeon Hawk,** 1 (present since early Nov.); Sparrow Hawk, 1; Ruffed Grouse, 6; Bob-white, 55; Ring-necked Pheasant, 4; Killdeer, 4; Wilson's Snipe, 2 (species seen 5 times in last 7 counts); Mourning Dove, 1; Screech Owl, 1; Horned Owl, 2; Barred Owl, 3; Belted Kingfisher, 8; Yellow-shafted Flicker, 1; Pileated Woodpecker, 6; **Yellow-bellied Sapsucker,** 2 (carefully identified); Hairy Woodpecker, 5; Downy Woodpecker, 30; **Eastern Phoebe,** 1 (O.K.S.); Horned Lark, 30; Blue Jay, 16; Am. Crow, 170; Black-capped Chickadee, 76; Tufted Titmouse, 139; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 1; Winter Wren, 3; Carolina Wren, 8; Am. Robin, 25; Eastern Bluebird, 32; Golden-crowned Kinglet, 12; Common Starling, 169; Myrtle Warbler, 2; House Sparrow, 580; Eastern Meadowlark, 95; Rusty Blackbird, 3; Purple Grackle, 1; Brown-headed Cowbird, 2; Cardinal, 109; Evening Grosbeak, 2; Pine Siskin, 41; Am. Goldfinch, 39; Slate-colored Junco, 249; Am. Tree Sparrow, 84; Field Sparrow, 4; **White-crowned Sparrow,** 5 (carefully identified); White-throated Sparrow, 13; Fox Sparrow, 1; Song Sparrow, 17. **Total,** 53 species; about 2084 individuals.—David Fry, Frank Fry, Sr., John Soule, O. K. Stephenson (compiler), E. A. Stevens, H. A. Toms, Mrs. Gwen Wueller; at feeding stations: Mr. and Mrs. Leroy Myers, Mrs. Nancy Saul, Mrs. W. H. Snyder.

123. Pennypack Valley, Philadelphia, Pa. (Pennypack Valley from mouth of creek to 15 miles up creek).—Dec. 31; 7 a.m. to 3 p.m. Cloudy; temp. 14° to 22°; wind NW, 18 m.p.h. Fourteen observers in 4 parties. Total party-hours, 30 (25 on foot, 5 by car); total party-miles, 25 (15 on foot, 10 by car). Great Blue Heron, 1; Mallard, 104; Black Duck, 200; Pintail, 150; Buffle-head, 4; Am. Merganser, 44; Cooper's Hawk, 2; Red-shouldered Hawk, 3; Sparrow Hawk, 4; Ring-necked Pheasant, 11; Herring Gull, 110; Ring-billed Gull, 1; Mourning Dove, 6; Belted Kingfisher, 2; Yellow-shafted Flicker, 4; **Red-bellied Woodpecker, 1** (carefully identified); Hairy Woodpecker, 5; Downy Woodpecker, 52; Blue Jay, 27; Am. Crow, 143; Black-capped Chickadee, 52; Carolina Chickadee, 8; Tufted Titmouse, 34; White-

breasted Nuthatch, 13; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 5; Mockingbird, 4; Am. Robin, 23; Eastern Bluebird, 3; Cedar Waxwing, 23; Common Starling, 197; Myrtle Warbler, 2; **Yellow-breasted Chat,** 1 (at feeder for 2 weeks); House Sparrow, 52; Eastern Meadowlark, 13; Cardinal, 39; Purple Finch, 5; **House Finch,** 2 (rechecked following day and confirmed—P.S.W. party); Am. Goldfinch, 60; Vesper Sparrow, 3; Slate-colored Junco, 205; Am. Tree Sparrow, 2; Field Sparrow, 10; White-throated Sparrow, 163; Song Sparrow, 42. **Total,** 46 species; about 1838 individuals.—Alfred F. Leedom (compiler), George Sivel, John McNeil, Bill Nixon, Ed Marlor, Paul Weirick, Bill Yoder, Gerald Morcello, Helen Brower, Marjorie Collins, Helen Bates, Frank McLanigan, Elsie McCay, Eleanor Phillips.

124. **Pittsburgh, Pa.** (city and suburbs, Frick Park, Highland Park, North Park, Riverview Park, Schenley Park, Homewood, McKeesport, Mt. Lebanon; deciduous woodland 30%, brush 20%, open areas 50%).—Dec. 26; 7 a.m. to 5 p.m. Fair; temp. 28° to 36°; wind NW, 12 m.p.h.; ground clear. Nineteen observers in 8 parties. Total party-hours, 36 (30 on foot, 6 by car); total party-miles, 36 (20 on foot, 16 by car). Pied-billed Grebe, 1; Mallard, 152; Am. Golden-eye, 55; Cooper's Hawk, 1; Sparrow Hawk, 6; Ruffed Grouse, 2; Ring-necked Pheasant, 6; **Herring Gull,** 1; Screech Owl, 1; Horned Owl, 1; Long-eared Owl, 1; Belted Kingfisher, 1; Hairy Woodpecker, 9; Downy Woodpecker, 39; Horned Lark, 26; Blue Jay, 1; Am. Crow, 28; Black-capped Chickadee, 58; Tufted Titmouse, 45; White-breasted Nuthatch, 32; Brown Creeper, 4; Carolina Wren, 5; Am. Robin, 43; Golden-crowned Kinglet, 5; Cedar Waxwing, 12; Common Starling, 250; House Sparrow, 399; **Brown-headed Cowbird,** 3; Cardinal, 152; **Pine Siskin,** 4; Am. Goldfinch, 49; Eastern Towhee, 1; Slate-colored Junco, 194; Am. Tree Sparrow, 215; Field Sparrow, 14; White-throated Sparrow, 10; Song Sparrow, 28. **Total,** 37 species; about 1854 individuals.—William Allen, Helen Blair, Russell Buehl, Sumner Dana, Joseph Grom, Geraldine Guarino, David Hart, Mary Hartsough, John Mehner, Albert Milch, Richard Miller, Richard Miller, Jr., Luke Savage, Bessie Scheidel, C. B. Shoemaker, Virginia Sior, George Terney, Bernard Van Cleve, Harriet Westhoff (Audubon Society of Western Pennsylvania).

125. **Reading, Pa.** (7½-mile radius centering 2 miles northeast of city, including Lake Ontelaunee and Birdsboro; deciduous woodland 30%, open farmland 30%, lakes and ponds 15%, streams and river-bottoms 15%, pine plantation 10%).—Dec. 26; 7 a.m. to 4:30 p.m. Clear; temp. 28° to 34°; wind NNW, 15 m.p.h.; ground bare, lake mostly frozen, smaller ponds frozen. Twenty-seven observers in 6 parties. Total party-hours, 45 (30 on foot, 15 by car); total party-miles, 125 (30 on foot, 95 by car). Horned Grebe, 1; Pied-billed Grebe, 2; Great Blue Heron, 7; Canada Goose, 57; Mallard, 2111; Black Duck, 4500; Gadwall, 8; Am. Widgeon, 126; Pintail, 24; Green-winged Teal, 50; Canvas-back, 2; Ruddy Duck, 5; Hooded Merganser, 3; Am. Merganser, 42; Cooper's Hawk, 5; Red-tailed Hawk, 8; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 13; Ring-necked Pheasant, 64; Killdeer, 23; Herring Gull, 11; Mourning Dove, 31; **Barred Owl,** 1 (P.J.); Belted Kingfisher, 6; Yellow-shafted Flicker, 32; Pileated Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 17; Downy Woodpecker, 67; Blue Jay, 54; Am. Crow, 4012; Fish Crow, 9; Black-capped Chickadee, 213; Tufted Titmouse, 60; White-breasted Nuthatch, 24; Red-breasted Nuthatch, 2; Brown Creeper, 5; Winter Wren, 3; Carolina Wren, 5; Mockingbird, 4; Catbird, 1; Am. Robin, **774**; Hermit Thrush, 1; Eastern Bluebird, 15; Golden-crowned Kinglet, 12; Ruby-crowned Kinglet, 3; Cedar Waxwing, **221**; Common Starling, 1129; Myrtle Warbler, 85; House Sparrow, 762; Cardinal, 100; Evening Grosbeak, 2; Purple Finch, 17; Pine Siskin, 64; Am. Goldfinch, 172; Eastern Towhee, 1; Slate-colored Junco, 926; Am. Tree Sparrow, 458; Field Sparrow, 3; White-throated Sparrow, 200; Swamp Sparrow, 1; Song Sparrow, 47. **Total,** 63 species; about 16,605 individuals.—B. Bressler, D. Burger (compiler), R. Cocroft, R. Cook, L. Epler, M. Eshelman, J. Eshelman, D. Feick, K. Feick, S. Gundy, E. Hill, P. Jenson, W. Kalbach, J. Malek, E. Manning, P. Martin, E. Poole, H. Schaeffer, C. Schaich, A. Sigmond, M. Steffe, N. Styer, I. Weigley, J. Weiman, R. Weiman, B. Whitman, S. Wishnieski (Baird Ornithological Club).

126. **Southeastern Bradford Co., Pa.** (same area and habitats as last year).—Jan. 2; 5:30 a.m. to 6 p.m. Partly cloudy; temp. 0 to 30°; wind W, 0-10 m.p.h.; ground mostly covered with snow, ponds and creeks frozen, Susquehanna River partly frozen. Three observers in 1 party. Total party-hours, 12 (9 on foot, 3 by car); total party-miles, 110 (20 on foot, 90 by car). Mallard, **100**; Black Duck, 250; Am. Golden-eye, 8; Am. Merganser, 85; **Sharp-shinned Hawk,** 1; Red-tailed Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 1; Herring Gull, 1; Screech Owl, 2; Horned Owl, 12; Belted Kingfisher, 4; Pileated Woodpecker, 3; Hairy Woodpecker, 8; Downy Woodpecker, 14; Blue Jay, 2; Am. Crow, 70; Black-capped Chickadee, 35; Tufted Titmouse, 10; White-breasted Nuthatch, 8; Brown Creeper, 4; Winter Wren, 4; Carolina Wren, 4; Am. Robin, 1; Golden-crowned Kinglet, 6; Common Starling, 350; House Sparrow, 60; **Brown-headed Cowbird,** 4; Cardinal, **19**; Am. Goldfinch, 21; Slate-colored Junco, 17; Am. Tree Sparrow, 75; **White-crowned Sparrow,** 1 (adult carefully studied); Song Sparrow, 1. **Total,** 34 species; about 1183 individuals. (Seen in area during count period: Common Redpoll.)—Jane Morgan, Thomas N. Morgan, William Reid (compiler).

127. **Stahlstown, Pa.** (same area as last year; open farmland 15%, pine groves 10%, deciduous forest 75%).—Dec. 26; 6 a.m. to 5:30 p.m. Clear; temp. 15° to 31°; wind NNW, 10-20 m.p.h. Two observers in 1 party. Total hours, 10 (8 on foot, 2 by car); total miles, 18 (6 on foot, 12 by car).

Bob-white, 2; Ring-necked Pheasant, 6; Turkey, 3; Screech Owl, 1; Horned Owl, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 3; Blue Jay, 1; Am. Crow, 23; Black-capped Chickadee, 21; Tufted Titmouse, 4; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 1; Brown Creeper, 1; Winter Wren, 1; Am. Robin, 1; Ruby-crowned Kinglet, 3; House Sparrow, 12; Eastern Meadowlark, 4; Cardinal, 3; Slate-colored Junco, 18; White-throated Sparrow, 3; Song Sparrow, 2. **Total,** 24 species; 121 individuals. (Ruffed Grouse seen recently.)—Mary L. Burke, John R. Lehman (compiler).

128. State College, Pa. (town, feeding stations, suburbs, surrounding farms and woodlands to Pa. Furnace, Scotia, Waddle Gap, Spring Creek, Tussey Mountain, Bear Meadows; town and environs 25%, ponds, streams and swamps 12%, farmlands with fencerows 18%, thickets and low woods 16%, mountain woodlands 29%).—Dec. 28; 7:30 a.m. to 5 p.m. Clear; temp. 4° to 28°; wind N to E, 1-7 m.p.h.; ground bare, all but large streams and ponds frozen. Eighteen observers in 7 parties. Total party-hours, 38 (28 on foot, 10 by car); total party-miles, 182 (25 on foot, 157 by car). Mallard, 152; Black Duck, 2; Pintail, 5; Lesser Scaup, 3; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 2; Ruffed Grouse, 6; Ring-necked Pheasant, 2; Killdeer, 6; Wilson's Snipe, 1; Mourning Dove, 64; Barn Owl, 2; Horned Owl, 1; Long-eared Owl, 1; Belted Kingfisher, 1; Pileated Woodpecker, 4; Hairy Woodpecker, 5; Downy Woodpecker, 11; Horned Lark, 26; Blue Jay, 4; Am. Crow, 237; Black-capped Chickadee, 54; Tufted Titmouse, 36; White-breasted Nuthatch, 17; Brown Creeper, 2; **House Wren,** 1 (carefully identified—E.B. party); Winter Wren, 1; Carolina Wren, 3; Am. Robin, 17; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 2; Cedar Waxwing, 10; Common Starling, 783; House Sparrow, 233; Eastern Meadowlark, 2; Rusty Blackbird, 1; **Purple Grackle,** 3; Cardinal, 28; Evening Grosbeak, 104; Purple Finch, 4; Am. Goldfinch, 81; Slate-colored Junco, 88; Am. Tree Sparrow, 281; Song Sparrow, 5. **Total,** 46 species; about 2297 individuals. (Short-eared Owl, Red-winged Blackbird seen count week.)—Harold F. Alderfer, Marianna Alderfer, Mr. and Mrs. Earl R. Bordner, Dorothy Bordner, William S. Clarke, Jr., Mrs. A. W. Cowell, J. H. Hummer, Leon J. Hue, Mr. and Mrs. Philip B. Lovett, Mrs. Vernon Myers, Mrs. C. J. Rowland, Shirley Smith, Selden Spencer, Mrs. R. B. Starbuck, George Timchak, Merrill Wood (State College Bird Club).

129. Warren, Pa. (area same as past 4 years).—Dec. 31; 7:30 a.m. to 4:30 p.m. Light snowfall a.m., cloudy p.m.; temp. 18° to 22°; wind negligible; 3-4-in. snow on ground, streams open. Two observers in 1 party. Total party-hours, 9 (6 on foot, 3 by car); total party-miles, 43 (8 on foot, 35 by car). Pied-billed Grebe, 14; Black Duck, 3; Am. Goldeneye, 7; Am. Merganser, 2; Sharp-shinned Hawk, 1; Screech Owl, 1; Belted Kingfisher, 2; Hairy Woodpecker, 1; Downy Woodpecker, 4; Blue Jay, 4; Black-capped Chickadee, 44; Tufted Titmouse, 4; White-breasted Nuthatch, 5; Brown Creeper, 1; Golden-crowned Kinglet, 6; Common Starling, 55; House Sparrow, 52; Cardinal, 6; Evening Grosbeak, 20; Am. Goldfinch, 10; Slate-colored Junco, 44; Am. Tree Sparrow, 51; Field Sparrow, 2; Swamp Sparrow, 1; Song Sparrow, 4. **Total,** 25 species; 344 individuals. (Am. Robin seen count week.)—Curtis Johnson, Harris E. Johnson (compiler).

130. Wellsboro, Pa. (7½-mile radius centering in Wellsboro, covering Ansonia, Catlin Hollow, Ely Hill, Hill's Creek, Marsh Creek, Stokesdale Marsh; mixed woodland 25%, cultivated land 40%, waste and idle land 15%, stream bank 10%, misc. 10%).—Jan. 2; 6:40 a.m. to 5 p.m. Overcast to clear; temp. 12° to 28°; wind W to NW, moderate; ground bare to 1-in. snow, water mostly frozen, larger streams with open water. Eleven observers in 8 parties. Total party-hours, 26 (11 on foot, 15 by car); total party-miles, 60 (12 on foot, 48 by car). Cooper's Hawk, 1; Rough-legged Hawk, 5; Sparrow Hawk, 1; hawk (sp.), 1; Turkey, 2; Belted Kingfisher, 1; Hairy Woodpecker, 4; Downy Woodpecker, 12; Blue Jay, 14; Am. Crow, 95; Black-capped Chickadee, 15; White-breasted Nuthatch, 17; Red-breasted Nuthatch, 4; Brown Creeper, 1; Catbird, 1; Am. Robin, 4; Common Starling, 649; House Sparrow, 650; Brown-headed Cowbird, 1; Cardinal, 5; Evening Grosbeak, 106; Am. Goldfinch, 3; Slate-colored Junco, 51; Am. Tree Sparrow, 137; White-throated Sparrow, 2; Song Sparrow, 1. **Total,** 25 species; about 1783 individuals. (Purple Finch seen count week.)—Dr. and Mrs. T. R. Bailey, Mrs. Henry Button, Catherine Harrison, Mrs. Mortimer Kentch, Mrs. Elbert Mosher, Mrs. Frank Pagan, Robert Scudder, William Scudder (compiler), Mr. and Mrs. Charles G. Webb.

131. West Chester, Pa. (7½-mile radius; open farmland 55%, overgrown fields 20%, deciduous woods 20%, mixed evergreen planting 2%, serpentine barrens 1%, town suburbs 2%).—Dec 27; 7:30 a.m. to 5:30 p.m. Clear; temp. 15° to 30°; wind NW, 12-15 m.p.h.; larger streams and ponds frozen, snow on northern slopes. Thirty-eight observers in 12 parties. Total party-hours, 75 (42 on foot, 33 by car); total party-miles, 394 (65 on foot, 329 by car). Great Blue Heron, 5; Black-crowned Night Heron, 2; Canada Goose, 31; Mallard, 258; Black Duck, 20; Buffle-head, 2; Am. Merganser, 19; Turkey Vulture, 9; Sharp-shinned Hawk, 5; Cooper's Hawk, 4; Red-tailed Hawk, 5; Red-shouldered Hawk, 9; Rough-legged Hawk, 2; Marsh Hawk, 3; Sparrow Hawk, 14; Ring-necked Pheasant, 26; Killdeer, 15; Wilson's Snipe, 2; Herring Gull, 3; Mourning Dove, 120; Screech Owl, 2; Belted Kingfisher, 12; Yellow-shafted Flicker, 10; Red-bellied Woodpecker, 9; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 10; Downy Woodpecker, 106; Eastern Phoebe, 6; Horned Lark, 25; Blue Jay, 54; Am. Crow, 3747; Black-capped Chickadee, 86; Carolina Chickadee, 24; Tufted Titmouse, 130; White-breasted Nuthatch, 51; Red-breasted Nuthatch, 7; Brown Creeper, 11; **House Wren,** 1; Winter Wren, 5; Carolina Wren, 6;

Mockingbird, 30; Catbird, 1; Brown Thrasher, 1; Am. Robin, 85; Hermit Thrush, 1; Eastern Bluebird, 124; Golden-crowned Kinglet, 17; Ruby-crowned Kinglet, 7; Cedar Waxwing, 64; Common Starling, 1840; Myrtle Warbler, 14; House Sparrow, 613; Eastern Meadowlark, 48; Red-winged Blackbird, 2; Brown-headed Cowbird, 1; Cardinal, 121; Evening Grosbeak, 26; Purple Finch, 24; Am. Goldfinch, 382; Eastern Towhee, 3; Slate-colored Junco, 1588; Am. Tree Sparrow, 493; Field Sparrow, 10; White-crowned Sparrow, 1; White-throated Sparrow, 554; Fox Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 191. **Total,** 68 species; about 11,103 individuals. (Seen in area count period: White-winged Crossbill.) —Dr. and Mrs. Robert B. Gordon, Mr. and Mrs. John Frankenfield, Mrs. Laura W. Abbott, Mrs. Taylor Herron, Emmy Christensen, Edna Hess, Horace Way, Burdette Bernard, Joseph Cope, William Oliver, Jan Long, Mrs. Cyril K. Bryan, Arthur T. Sigman, Robert E. Cook, Mrs. William I. Pendergrast, Mrs. Abner W. Few, Mary L. Thomas, Violet L. Findlay, Mrs. C. Edgar Cope, Margaret S. Goodwin, Pauline Ramstine, Mary J. Hogue, Mrs. Helena Titman, Helen Williams, Anna P. James, Phyllis and Beryl Hurlock, Mr. and Mrs. Herman F. Kuch, Jr., Marian Cheyney, Mrs. Helen I. Fletcher, Thomas Brown, Mr. and Mrs. E. Shippen Willing, June R. Conway, Albert E. Conway (compiler) (West Chester Bird Club).

132. **Wyncote, Pa.** (about same area as in recent years, all within Montgomery Co., but steadily reduced by building operations).—Jan. 1; 7 a.m. to 5 p.m. Clear; temp. 20° to 36°; wind W, 10-15 m.p.h.; ground bare. Twelve observers in 5 parties. Total party-hours, 75 (19 on foot, 56 by car); total party-miles, 74 (19 on foot, 55 by car). Great Blue Heron, 1; Mallard, 172; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 2; Red-shouldered Hawk, 4; Sparrow Hawk, 8; Ring-necked Pheasant, 30; Killdeer, 15; Mourning Dove, 46; Screech Owl, 1; Long-eared Owl, 4; Belted Kingfisher, 1; Yellow-shafted Flicker, 7; Hairy Woodpecker, 13; Downy Woodpecker, 43; Blue Jay, 62; Am. Crow, 582; Black-capped Chickadee, 22; Tufted Titmouse, 45; White-breasted Nuthatch, 33; Red-breasted Nuthatch, 11; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 4; Catbird, 1; Am. Robin, **68**; Hermit Thrush, 2; Eastern Bluebird, 5; Golden-crowned Kinglet, 2; Cedar Waxwing, **61** (*55 in one flock*); Common Starling, 284; Myrtle Warbler, 2; House Sparrow, 153; Cardinal, 63; Purple Finch, 15; Am. Goldfinch, 53; Eastern Towhee, 2; Slate-colored Junco, 382; Am. Tree Sparrow, 54; Field Sparrow, 3; White-throated Sparrow, 302; Fox Sparrow, 3; Song Sparrow, 41. **Total,** 44 species; about 2608 individuals. (Seen count period: Evening Grosbeak.)—H. Armistead, Mrs. W. Custer, Laura Deale, J. Dornan, Mrs. E. S. Griscom, J. A. Lindemann, F. Mears, J. Morsello, J. Perley, T. Rights, R. Welsh, R. Yerkes (Wyncote Bird Club).

133. **York, Pa.** (15-mile diameter with center at Hellam; open farmland 40%, farm woodlots 5%, woodland and fields along Susquehanna River 50%, suburbs 5%).—Dec. 31; 7 a.m. to 5 p.m.; temp. 24° to 30°; wind NW, 17-25 m.p.h. Twenty observers in 5 parties. Total party-hours, 34 (22 on foot, 12 by car); total party-miles, 204 (26 on foot, 178 by car). Pied-billed Grebe, 1; Great Blue Heron, 1; Mallard, 100; Black Duck, 2; Canvas-back, 25; Am. Golden-eye, 32; Am. Merganser, 40; Turkey Vulture, 2; **Black Vulture, 2;** Bald Eagle, 2; Marsh Hawk, 2; Peregrine Falcon, 1; Sparrow Hawk, 7; Ring-necked Pheasant, 37; Killdeer, 2; Wilson's Snipe, 2; Herring Gull, 1; Ring-billed Gull, 4; Mourning Dove, 28; Belted Kingfisher, 3; Yellow-shafted Flicker, 11; Red-bellied Woodpecker, 2; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 4; Downy Woodpecker, 22; Horned Lark, 1; Blue Jay, 2; Am. Crow, 494; Fish Crow, 4; Black-capped Chickadee, 26; Carolina Chickadee, 56; Tufted Titmouse, 65; White-breasted Nuthatch, 6; Brown Creeper, 7; Winter Wren, 3; Carolina Wren, 20; Mockingbird, 25; Am. Robin, 100; Hermit Thrush, 1; Eastern Bluebird, 5; Golden-crowned Kinglet, 2; Common Starling, 2305; **Yellow-breasted Chat,** 1; Myrtle Warbler, 11; House Sparrow, 653; Purple Grackle, 31; Brown-headed Cowbird, 200; Cardinal, 54; Evening Grosbeak, 6; Purple Finch, 7; Pine Siskin, 1; Am. Goldfinch, 46; Eastern Towhee, 3; Slate-colored Junco, 181; Am. Tree Sparrow, 71; Field Sparrow, 7; White-throated Sparrow, 217; Fox Sparrow, 4; Swamp Sparrow, 1; Song Sparrow, 24. **Total,** 60 species; about 4975 individuals.—York County Bird Club. James H. Stein, Jr. (compiler).

134. **Bombay Hook National Wildlife Refuge, Del.** (7½-mile radius covering Delaware River north to Woodland Beach, south to North Kitts Hummock, west to Dover and Lebanon; increased emphasis on coverage of private lands bordering river-front; since last year most remaining second growth, brush, etc., has been leveled for cultivation to attract geese, thus habitat variation sharply reduced on refuge).—Dec. 26; 3 a.m. to 5 p.m. Overcast till 11 a.m.; temp. 16° to 30°; wind N to NW, 15-20 m.p.h.; ground water frozen, main lake 90% closed, brackish water 50% thawed by afternoon. Twenty-five observers in 8 parties. Total party-hours, 92 (60 on foot, 30 by car, 2 by airplane); total party-miles, 615 (98 on foot, 422 by car, 95 by airplane). Horned Grebe, 3; Pied-billed Grebe, 3; Great Blue Heron, 41; Black-crowned Night Heron, 1; Am. Bittern, 4; Whistling Swan, 2; Canada Goose, 8241; Am. Brant, 9; Snow Goose, 12; Blue Goose, 4; Mallard, 7750; Black Duck, 9220; Gadwall, 14; Am. Widgeon, 178; Pintail, 2250; Green-winged Teal, 85; Blue-winged Teal, 7; Shoveller, 7; Wood Duck, 1; Redhead, 6; Ring-necked Duck, 1; Canvas-back, 225; Greater Scaup, 625; Lesser Scaup, 1; Am. Golden-eye, 185; Buffle-head, 6; Old-squaw, 1; White-winged Scoter, 4; Surf Scoter, 5; Am. Scoter, 4; Ruddy Duck, 2; Hooded Merganser, 10; Am. Merganser, 76; Red-breasted Merganser, 1; Turkey Vulture, 285; Black Vulture, 9; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 30; Red-shouldered Hawk, 6; Rough-legged Hawk, 9; Bald Eagle, 9; Marsh Hawk, 99; Peregrine Falcon, 1; Sparrow Hawk, 35; Bob-white,

27; Ring-necked Pheasant, 2; **King Rail, 4** (D.C., C.P.); Clapper Rail, 14 (C.P.); Am. Coot, 231; Killdeer, 5; Wilson's Snipe, 9; Red-backed Sandpiper, 6; Sanderling, 6; Great Black-backed Gull, 15; Herring Gull, 394; Ring-billed Gull, 306; Mourning Dove, 252; Barn Owl, 5; Screech Owl, 1; Horned Owl, 3; Barred Owl, 2; Long-eared Owl, 3; Short-eared Owl, 2; Belted Kingfisher, 6; Yellow-shafted Flicker, 38; Red-bellied Woodpecker, 35; Hairy Woodpecker, 14; Downy Woodpecker, 61; Eastern Phoebe, 1; Horned Lark, 267; Blue Jay, 66; Am. Crow, 3955; Fish Crow, 47; Black-capped Chickadee, 3; Carolina Chickadee, 131; Tufted Titmouse, 32; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 2; Brown Creeper, 19; **House Wren,** 1 (carefully identified—C.P. party); Winter Wren, 4; Carolina Wren, 60; Long-billed Marsh Wren, 1; Mockingbird, 58; Catbird, 1; Brown Thrasher, **5**; Am. Robin, **1443**; Hermit Thrush, 7; Eastern Bluebird, 8; Golden-crowned Kinglet, 57; Water Pipit, 174; Cedar Waxwing, 99; Loggerhead Shrike, 4; Common Starling, 5450; Myrtle Warbler, 126; Common Yellowthroat, 1; House Sparrow, 695; Eastern Meadowlark, 398; Red-winged Blackbird, 7100; Rusty Blackbird, 44; **Brewer's Blackbird,** 20 (125 present week previous to count); Purple Grackle, 508; Brown-headed Cowbird, 1735; Cardinal, 215; Purple Finch, 10; Pine Siskin, 4; Am. Goldfinch, 193; Eastern Towhee, 3; Savannah Sparrow, 48; Sharp-tailed Sparrow, 2; Vesper Sparrow, 1; Slate-colored Junco, 221; Am. Tree Sparrow, 417; Field Sparrow, 29; White-throated Sparrow, 1118; Fox Sparrow, 4; Swamp Sparrow, 156; Song Sparrow, 315; Snow Bunting, 1. **Total,** 120 species; about 56,171 individuals.—J. Aull, T. Baldwin, I. Bauer, Joe Cadbury, Joel Cadbury, David Cadbury, E. Choate, Herbert Cutler and David Cutler (compilers), Q. Kramer, P. Livingston, H. Mathews, J. Miller, N. Miller, J. Morsello, L. Oring, S. Orr, C. Price, E. Reimann, P. Street, P. Schwalbe, F. Ulmer, M. Weiss, C. Wonderly, Ken Wright, (Delaware Valley Ornithological Club).

135. Middletown, Del. (same approximate area as last year).—Dec. 29; 7 a.m. to 5 p.m. Heavy overcast except at mid-day, light sleet from 3 to 5 p.m.; temp. 21° to 32°; wind ESE to S, 2-8 m.p.h.; ground bare, ponds and most of tidewater frozen, much floe ice in Delaware River. Seven observers in 2 parties. Total party-hours, 18 (14 on foot, 4 by car); total party-miles, 103 (6 on foot, 97 by car). Great Blue Heron, 12; Canada Goose, 258; Mallard, 7; Black Duck, 353; Redhead, 1; Lesser Scaup, 11; Am. Golden-eye, 2; Am. Merganser, 85; Turkey Vulture, 16; Red-tailed Hawk, 12; Red-shouldered Hawk, 2; Rough-legged Hawk, 3; Bald Eagle, 1; Marsh Hawk, 9; Sparrow Hawk, 9; Ring-necked Pheasant, 1; Am. Coot, 1; Killdeer, 3; Great Black-backed Gull, 4; Herring Gull, 46; Ring-billed Gull, 56; Mourning Dove, 11; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 2; Horned Lark, 32; Blue Jay, 2; Am. Crow, 32; Carolina Chickadee, 8; Tufted Titmouse, 3; Brown Creeper, 1; Winter Wren, 1; Carolina Wren, 1; Mockingbird, 8; Am. Robin, 3; Common Starling, 165; Myrtle Warbler, 3; House Sparrow, 20; Eastern Meadowlark, 11; Red-winged Blackbird, 590; Purple Grackle, 167; Brown-headed Cowbird, 91; Cardinal, 18; **Evening Grosbeak, 8**; Am. Goldfinch, 43; Savannah Sparrow, 2; Slate-colored Junco, 103; Am. Tree Sparrow, 81; Field Sparrow, 2; White-throated Sparrow, 43; Swamp Sparrow, 3; Song Sparrow, 15. **Total,** 54 species; about 2369 individuals.—Elizabeth Brady, Ethel Brady, Stuyvesant Pell, Walden Pell (compiler), Margaret Smithers, Norman Thornton, Davis Washburn.

136. Rehoboth, Del. (7½-mile radius centering 3 miles west of Angola including Lewis, Hollyville, northern half of White Neck, Cedar Neck; tidal bays and estuaries 20%, deciduous woods 15%, fields 15%, coniferous woods 15%, inlet and ocean shore 15%, Silver Lake 5%, thickets 10%, wooded swamp 5%, salt marshes 5%).—Jan. 1; 4:30 a.m. to 5:30 p.m. Clear; temp. 22° to 31°; wind NW, 0-10 m.p.h.; ground bare, fresh water 90% frozen. Five observers in 3 parties. Total party-hours, 28 (12 on foot, 16 by car); total party-miles, 110 (12 on foot, 98 by car). Common Loon, 4; Red-throated Loon, 134; **Red-necked Grebe, 1;** Horned Grebe, 1400; Pied-billed Grebe, 6; Gannet, 1; Double-crested Cormorant, 6; Great Blue Heron, 6; Am. Bittern, 1; Canada Goose, 200; Am. Brant, 1500; Mallard, 10; Black Duck, 76; Am. Widgeon, 20; Green-winged Teal, 15; Shoveller, 6; Redhead, 20; Ring-necked Duck, 40; Canvas-back, 800; Greater Scaup, 40; Lesser Scaup, 2; Am. Golden-eye, 22; Buffle-head, 28; Old-squaw, 48; Common Eider, 1; White-winged Scoter, 460; Surf Scoter, 800; Am. Scoter, 14; Ruddy Duck, 30; Hooded Merganser, 1; Am. Merganser, 6; Red-breasted Merganser, 45; Turkey Vulture, 100; **Black Vulture, 11 (one flock)**; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 4; Bald Eagle, 1; Marsh Hawk, 8; Sparrow Hawk, 10; Bob-white, 2; Am. Coot, 55; **Piping Plover,** 1 (D.C., H.C.); Killdeer, 8; Black-bellied Plover, 20; Wilson's Snipe, 1; Purple Sandpiper, 20; Red-backed Sandpiper, 250; **Least Sandpiper,** 2; **Sanderling,** 315; Great Black-backed Gull, 22; Herring Gull, 800; Ring-billed Gull, 2000; **Black-headed Gull,** 1 (all field marks—D.C.); Bonaparte's Gull, 220; Mourning Dove, 16; Horned Owl, 2; Barred Owl, 3; Long-eared Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 4; Eastern Phoebe, 1; Horned Lark, 35; Blue Jay, 3; Am. Crow, 275; Fish Crow, 8; Carolina Chickadee, 18; Tufted Titmouse, 10; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 3; Winter Wren, 1; Carolina Wren, 6; Mockingbird, 20; Am. Robin, 225; Hermit Thrush, 11; Eastern Bluebird, 6; Golden-crowned Kinglet, 4; Water Pipit, 55; Cedar Waxwing, 12; **Gray Shrike,** 1; Common Starling, 5500; Myrtle Warbler, 45; House Sparrow, 1300; Eastern Meadowlark, 60; Red-winged Blackbird, 8000; Rusty Blackbird, 2; Purple Grackle, 53; Brown-headed Cowbird, 130; Cardinal, 55; Purple Finch, 4; Pine Siskin, 2;

Am. Goldfinch, 95; **Eastern Towhee,** 11; Savannah Sparrow, 6. Sharp-tailed Sparrow, 3; **Seaside Sparrow, 18**; Vesper Sparrow, 1; Slate-colored Junco, 200; Am. Tree Sparrow, 260; Field Sparrow, 18; White-throated Sparrow, 975; **Fox Sparrow, 37**; Swamp Sparrow, 30; Song Sparrow, 125; **Snow Bunting,** 1. **Total,** 108 species; about 27,259 individuals.—John Aull, Trusten M. Baldwin, David A. Cutler, Herbert S. Cutler, Henry Matthews (Delaware Valley Ornithological Club).

137. **Accokeek, Md.** (east side of Potomac River from Bryan's Point east along south side of Piscataway Creek to Indian Head Highway; about 3 sq. miles of river and bay front, cultivated river flat, wooded creekbottom, wooded swamp, cattail marsh, border of adjacent wooded upland).—Dec. 29; 7:30 a.m. to 4:30 p.m. Cloudy, intermittent light rain around mid-day; temp. 20° to 32°; no wind; ground bare, fresh ice on Potomac except for narrow central channel in a.m. moving out in p.m., marshes frozen hard. Four observers in 4 parties. Total party-hours, 29; total party-miles, 24 (all on foot). Great Blue Heron, 4; Mallard, 70; Black Duck, 60; scaup (sp.), 30; Ruddy Duck, 6; Am. Merganser, 45; Turkey Vulture, 25; Black Vulture, 10; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Bald Eagle, 6; Sparrow Hawk, 1; Bob-white, 8; Killdeer, 16; **Am. Woodcock,** 1 (W.R.); Herring Gull, 25; Ring-billed Gull, 75; Mourning Dove, 50; Belted Kingfisher, 2; Yellow-shafted Flicker, 30; Pileated Woodpecker, 1; Red-bellied Woodpecker, 20; Red-headed Woodpecker, 20; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 6; Downy Woodpecker, 30; Eastern Phoebe, 1; Blue Jay, 50; Am. Crow, 40; Fish Crow, 2; Carolina Chickadee, 45; Tufted Titmouse, 40; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 2; Brown Creeper, 7; Winter Wren, 5; Carolina Wren, 40; Mockingbird, 20; Am. Robin, 300; Hermit Thrush, 5; Eastern Bluebird, 12; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 2; Water Pipit, 20; Cedar Waxwing, 14; Common Starling, 700; Myrtle Warbler, 35; House Sparrow, 12; Eastern Meadowlark, 85; Red-winged Blackbird, 500; Rusty Blackbird, 25; Cardinal, 130; Purple Finch, 3; Am. Goldfinch, 150; Eastern Towhee, 2; Savannah Sparrow, 5; Slate-colored Junco, 450; Am. Tree Sparrow, 50; Field Sparrow, 35; White-throated Sparrow, 300; Swamp Sparrow, 45; Song Sparrow, 150. **Total,** 63 species; about 3838 individuals.—A. A. Baker, Edwin T. McKnight (compiler), Thomas B. Nolan, W. W. Rubey.

138. **Annapolis and Gibson Island, Md.** (same area and habitats as last year, 7½-mile radius centered at west end of Severn River bridge).—Jan. 1; 5:45 a.m. to 5 p.m. Clear; temp. 20° to 40°; wind W, 0-10 m.p.h.; ground bare, ponds frozen, rivers 50-75% frozen, Chesapeake Bay open. Sixty-three observers in 34 parties. Total party-hours, 227 (141 on foot, 86 by car); total party-miles, 818 (147 on foot, 671 by car). Red-throated Loon, 4; Horned Grebe, 138; Pied-billed Grebe, 41; Great Blue Heron, 29; Am. Bittern, 2; Whistling Swan, 2439; Canada Goose, 4; Mallard, 136; Black Duck, 233; Gadwall, 2; Am. Widgeon, 1030; Pintail, 10; Green-winged Teal, 12; Wood Duck, 1; Redhead, 56; Ring-necked Duck, 13; Canvas-back, **15,424**; Greater and Lesser Scaup, 132; Am. Golden-eye, 1646; Buffle-head, 1544; Old-squaw, 40; White-winged Scoter, 12; Ruddy Duck, **12,123**; Hooded Merganser, 30; Am. Merganser, 28; Red-breasted Merganser, 2; Turkey Vulture, 218; Black Vulture, 93; Sharp-shinned Hawk, 4; Cooper's Hawk, 7; Red-tailed Hawk, 10; Red-shouldered Hawk, 10; Rough-legged Hawk, 1; Bald Eagle, 10; Marsh Hawk, 4; Sparrow Hawk, 31; **Osprey,** 1; Bob-white, 100; Virginia Rail, 1; Am. Coot, 657; Killdeer, 83; Am. Woodcock, 3; Wilson's Snipe, 2; Great Black-backed Gull, 13; Herring Gull, 588; Ring-billed Gull, 129; Laughing Gull, 2; Bonaparte's Gull, 1; Mourning Dove, 71; Horned Owl, 5; Barred Owl, 2; Belted Kingfisher, 52; Yellow-shafted Flicker, 107; Red-bellied Woodpecker, 111; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 8; Hairy Woodpecker, 16; Downy Woodpecker, 168; Eastern Phoebe, 4; Horned Lark, 39; Blue Jay, 203; Am. Crow, 591; Fish Crow, 23; **Black-capped Chickadee,** 3; Carolina Chickadee, 372; Tufted Titmouse, 217; White-breasted Nuthatch, 28; Red-breasted Nuthatch, 34; Brown Creeper, 31; Winter Wren, 15; Carolina Wren, 192; Long-billed Marsh Wren, 3; Mockingbird, 278; Catbird, 8; Am. Robin, **2931**; Hermit Thrush, 26; Eastern Bluebird, **332**; Golden-crowned Kinglet, 63; Water Pipit, 12; Cedar Waxwing, 119; Loggerhead Shrike, 2; Common Starling, 3063; Myrtle Warbler, 120; Palm Warbler, 3; Common Yellowthroat, 1; House Sparrow, 505; Eastern Meadowlark, 115; Red-winged Blackbird, 765; Rusty Blackbird, 70; Purple Grackle, 302; Brown-headed Cowbird, 15; Cardinal, **640**; Purple Finch, 34; Pine Siskin, 4; Am. Goldfinch, 676; **Red Crossbill,** 7; Eastern Towhee, 33; Savannah Sparrow, 15; Vesper Sparrow, 2; Slate-colored Junco, **2508**; Am. Tree Sparrow, 94; **Chipping Sparrow,** 1; Field Sparrow, 179; White-throated Sparrow, **1983**; Fox Sparrow, 5; Swamp Sparrow, 30; Song Sparrow, 498. **Total,** 108 species; about 54,835 individuals. (Ruby-crowned Kinglet, Evening Grosbeak seen during period.)—Anne Arundel Bird Club, Baltimore Bird Club and guests (J. E. M. Wood, compiler).

139. **Catoctin Mountain, Md.** (7½-mile radius centered 1.3 miles west of Thurmont; described in 1949).—Dec. 31; 5:15 a.m. to 6 p.m. Clear; temp. 20° to 30°; wind W, 20-30 m.p.h.; ground bare, streams frozen except some fast water, ponds frozen. Eleven observers in 4 parties. Total party-hours, 44 (19 on foot, 25 by car); total party-miles, 254 (16 on foot, 238 by car). Mallard, 27; Black Duck, 13; Turkey Vulture, 44; Cooper's Hawk, 2; Red-tailed Hawk, 9; Red-shouldered Hawk, 2; Marsh Hawk, 6; Sparrow Hawk, 5; Ruffed Grouse, 4; Bob-white, 42; Killdeer, 5; Mourning Dove, 19; Screech Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 16; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 4; Hairy Woodpecker, 7; Downy Woodpecker, 39; Eastern Phoebe, 1; Horned Lark, 200; Blue Jay, 88; Am. Crow, 2725; Fish Crow, 11; Carolina Chickadee,

87; Tufted Titmouse, 55; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 2; Brown Creeper, 10; Winter Wren, 3; Carolina Wren, 13; Mockingbird, 33; Am. Robin, **179**; Hermit Thrush, 1; Eastern Bluebird, 73; Golden-crowned Kinglet, 5; Cedar Waxwing, 12; Common Starling, 2198; Myrtle Warbler, 15; House Sparrow, 708; Eastern Meadowlark, 51; Cardinal, 165; Purple Finch, 25; Pine Siskin, 3; Am. Goldfinch, **337**; Eastern Towhee, 3; **Vesper Sparrow, 2** (well seen); Slate-colored Junco, 618; Am. Tree Sparrow, **401**; Field Sparrow, 29; White-crowned Sparrow, 42; White-throated Sparrow, 121; Song Sparrow, 86. **Total,** 53 species; about 8567 individuals. (Seen in area count period: Am. Merganser, Yellow-bellied Sapsucker, Loggerhead Shrike.) —Mabel Hoyler, Seth H. Low, Seth T. Low, Sarah E. Quinn, Elmira Renn, Ruth O. Richards, John W. Richards (compiler), Chandler S. Robbins, William N. Shirey, Herbert G. Tanner, Hazel White.

140. Denton, Md. (same area and habitat percentages as last 5 years).—Dec. 24; 5 a.m. to 5 p.m. Overcast until 4 p.m.; temp. 36° to 48°; wind SE, 0-12 m.p.h.; ground bare and dry, water frozen except small areas in Choptank River, ice breaking up in late afternoon. Eleven observers in 7 parties. Total party-hours, 47 (37 on foot, 10 by car); total party-miles, 262 (26 on foot, 236 by car). Pied-billed Grebe, 1; Great Blue Heron, 3; Canada Goose, 8; Black Duck, 150; Wood Duck, 6; Am. Merganser, 15; Turkey Vulture, 182; Cooper's Hawk, 1; Red-tailed Hawk, 7; Red-shouldered Hawk, 4; Marsh Hawk, 19; Sparrow Hawk, 24; Bob-white, 47; Killdeer, 18; **Wilson's Snipe, 3**; Herring Gull, 2; Ring-billed Gull, 31; Mourning Dove, 242; Horned Owl, 5; Barred Owl, 5; Belted Kingfisher, 6; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 19; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 31; Eastern Phoebe, 4; Horned Lark, 9; Blue Jay, 40; Am. Crow, 105; Carolina Chickadee, 100; Tufted Titmouse, 33; Red-breasted Nuthatch, 5; Brown Creeper, 14; Winter Wren, 7; Carolina Wren, 32; Mockingbird, 40; Am. Robin, **473**; Hermit Thrush, 12; Eastern Bluebird, 76; Golden-crowned Kinglet, 33; Water Pipit, 75; Loggerhead Shrike, 6; Common Starling, 1460; Myrtle Warbler, 3; House Sparrow, 529; Eastern Meadowlark, 247; Red-winged Blackbird, 581; Purple Grackle, 1258; Cardinal, 135; Evening Grosbeak, 1; Am. Goldfinch, 204; Eastern Towhee, 3; Slate-colored Junco, 511; Field Sparrow, 51; White-crowned Sparrow, 26; White-throated Sparrow, 572; Fox Sparrow, 2; Swamp Sparrow, 2; Song Sparrow, 55. **Total,** 60 species; about 7544 individuals.—Annabelle Bilbrough, Elsie Bilbrough, A. J. Fletcher, Bobby Fletcher, Roberta B. Fletcher, Marvin W. Hewitt, Naomi W. Hewitt, Richard L. Kleen, Alicia Knotts, Ethel Poore, Wilbur Rittenhouse.

141. Loch Raven, Md. (from Towson around the lake through Dulaney Valley to Loch Raven Station; several stages 30 to 40 years after cultivation 50%, deciduous forest 30%, coniferous plantations 10%, cultivated land 10%).—Dec. 29; 6:15 a.m. to 5:15 p.m. Cloudy, light rain late afternoon; temp. 27° to 33°; wind S, 1-5 m.p.h.; ground bare, lake almost entirely ice-covered. One observer. Total hours, 11 (10 on foot, 1 by car); total miles, 27 (11 on foot, 16 by car). Great Blue Heron, 1; Mallard, 10; Black Duck, 200; Am. Merganser, 60; Turkey Vulture, 10; Black Vulture, 13; Bald Eagle, 1; Killdeer, 4; Herring Gull, 3; Belted Kingfisher, 4; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 2; Downy Woodpecker, 8; Blue Jay, 2; Am. Crow, 11; Carolina Chickadee, 11; Tufted Titmouse, 4; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 1; Brown Creeper, 1; Winter Wren, 3; Carolina Wren, 6; Mockingbird, 1; Am. Robin, 27; Hermit Thrush, 2; Eastern Bluebird, 5; Golden-crowned Kinglet, 7; Cedar Waxwing, 8; Myrtle Warbler, 1; Cardinal, 13; Am. Goldfinch, 10; Eastern Towhee, 1; Slate-colored Junco, 37; Am. Tree Sparrow, 62; White-throated Sparrow, 184; Song Sparrow, 3. **Total,** 36 species; 719 individuals.—Haven Kolb.

142. McCoole, Md. (center of town to 1 mile east, center of town north along U. S. 220 to Rawlings, top of Dans Mountain 3 miles east of Lonaconing).—Dec. 29; 8 a.m. to 8:30 p.m. Temp. 32° to 38°; wind gusty, 5-25 m.p.h. Two observers in 1 party. Total hours, 12 (10 on foot, 2 by car); total miles, 20 (8 on foot, 12 by car). Sharp-shinned Hawk, 1; **Peregrine Falcon,** 1; Ruffed Grouse, 2; Bob-white, 8; Yellow-shafted Flicker, 3; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 1; Blue Jay, 7; Am. Crow, 3; Black-capped Chickadee, 2; Tufted Titmouse, 14; White-breasted Nuthatch, 1; Winter Wren, 1; Carolina Wren, 1; Mockingbird, 4; Am. Robin, **227**; Hermit Thrush, 4; Cedar Waxwing, 70; Loggerhead Shrike, 1; Common Starling, 1819; Myrtle Warbler, 6; House Sparrow, 34; Cardinal, 11; Am. Goldfinch, 1; Slate-colored Junco, 97; Am. Tree Sparrow, 60; White-crowned Sparrow, 10; White-throated Sparrow, 4; Song Sparrow, 2. **Total,** 30 species; about 2398 individuals.—Anna H. Llewellyn, Leonard M. Llewellyn.

143. Ocean City, Md. (same area as in past 7 years; same habitat percentages as in 1949).—Dec. 27; 12:01 a.m. to 7:30 p.m. Clear; temp. 17° to 31°; wind NW, 10-20 m.p.h.; ground bare, ponds and marshes mostly frozen. Thirty-two observers in 11 parties. Total party-hours, 209 (141 on foot, 58 by car, 10 by boat); total party-miles, 562 (145 on foot, 384 by car, 33 by boat). Common Loon, 5; Red-throated Loon, 69; Red-necked Grebe, 8; Horned Grebe, 161; Pied-billed Grebe, 16; Gannet, 1; Double-crested Cormorant, 16; Great Blue Heron, 60; Black-crowned Night Heron, 1; Am. Bittern, 1; Whistling Swan, 2; Canada Goose, 1958; Am. Brant, 5110; Snow Goose, 970; Mallard, 943; Black Duck, 2110; Gadwall, 9; Am. Widgeon, 248; Pintail, 39; **European Teal,** 1; Green-winged Teal, 106; Shoveller, 5; Wood Duck, 6; Redhead, 4; Ring-necked Duck, 35; Canvas-back, **17,750**; scaup (sp.), 134; Am. Golden-eye, 143; Buffle-head, 640; Old-squaw, 2413; **Common Eider, 5** (found Dec. 26 by

E.G.B.; seen by 20 observers); White-winged Scoter, 807; Surf Scoter, 2720; Am. Scoter, 260; scoter (sp.), 1500; Ruddy Duck, 108; Hooded Merganser, 1; Red-breasted Merganser, 303; Turkey Vulture, 1334; Black Vulture, 6; Sharp-shinned Hawk, 9; Cooper's Hawk, 8; Red-tailed Hawk, 35; Red-shouldered Hawk, 16; Rough-legged Hawk, 2; Bald Eagle, 4; Marsh Hawk, 45; Peregrine Falcon, 2; Pigeon Hawk, 1; Sparrow Hawk, 51; Bob-white, 38; Clapper Rail, 2; Virginia Rail, 1; Am. Coot, 31; Florida Gallinule, 2 (well seen—P.A.D., P.G.D.); Killdeer, 182; Black-bellied Plover, 73; Piping Plover, 2 (J.W.R., E.W.); Am. Woodcock, 2; Wilson's Snipe, 20; Greater Yellow-legs, 3; Purple Sandpiper, 59; Red-backed Sandpiper, 1102; Least Sandpiper, 12 (8th consecutive year); Semipalmated Sandpiper, 34; Sanderling, 775; Great Black-backed Gull, 17; Herring Gull, 2554; Ring-billed Gull, 883; Laughing Gull, 1; Bonaparte's Gull, 3; Mourning Dove, **1624** (575 at one roost); Barn Owl, 3; Screech Owl, 3; Horned Owl, 27; Barred Owl, 7; Belted Kingfisher, 12; Yellow-shafted Flicker, 159; Pileated Woodpecker, 6; Red-bellied Woodpecker, **94**; Yellow-bellied Sapsucker, 8; Hairy Woodpecker, 45; Downy Woodpecker, 129; Eastern Phoebe, 9; Horned Lark, 34 (including 2 Prairie); Blue Jay, 50; Am. Crow, 378; Fish Crow, 11; Carolina Chickadee, 445; Tufted Titmouse, 196; White-breasted Nuthatch, 16; Red-breasted Nuthatch, 1; Brown-headed Nuthatch, 121; Brown Creeper, 55; House Wren, 1; Winter Wren, 56; Carolina Wren, 113; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 3; Mockingbird, 70; Catbird, 14; Brown Thrasher, 60; Am. Robin, 929; Hermit Thrush, **130**; **Olive-backed Thrush, 1** (watched 5 minutes in plain view, compared with Hermit Thrush in same thicket; approached as close as 10 feet; full descriptions furnished—Mrs. E.G.W., R.D.); Eastern Bluebird, 101; Golden-crowned Kinglet, 156; Ruby-crowned Kinglet, 19; Water Pipit, 146; Cedar Waxwing, 14; Loggerhead Shrike, 6; Common Starling, 9338; Orange-crowned Warbler, 3; **Yellow-breasted Chat,** 1 (E.K.); Myrtle Warbler, 1624; Pine Warbler, 11; Palm Warbler, 41 (39 Western); House Sparrow, 1329; Eastern Meadowlark, **4167**; Red-winged Blackbird, 14,670; Rusty Blackbird, 223; Purple Grackle, 12,540 (including Purple and Bronzed); Brown-headed Cowbird, 15,770; Cardinal, 410; Evening Grosbeak, 5; Purple Finch, 3; Pine Siskin, 2; Am. Goldfinch, 1495; Eastern Towhee, 201; Ipswich Sparrow, 2; Savannah Sparrow, 330; Sharp-tailed Sparrow, 4; Seaside Sparrow, 13; Vesper Sparrow, 13; Slate-colored Junco, **1772**; Am. Tree Sparrow, 3; Chipping Sparrow, 12; Field Sparrow, **316**; White-throated Sparrow, **5154**; Fox Sparrow, **107**; Swamp Sparrow, 409; Song Sparrow, **906**; Snow Bunting, 146. **Total,** 142 species (3 additional subspecies); about 122,250 individuals. (Oiled Dovekie found freshly shot during count.)—Elting Arnold, Ernest G. Baldwin, Mrs. Gladys H. Cole, Richard D. Cole, Louis F. Conklin, Bruce Davenport, Howard Dean, Mr. and Mrs. Richard Dubois, Philip A. DuMont, Paul G. Dumont, Don P. Fankhauser, Ira N. Gabrielson, Larry Griffin, Jack P. Hailman, Ed Hall, Adam Hubbell, Duvall A. Jones, Richard L. Kleen, Ellsworth Knudson, Stephen A. Nesbitt, Bruce I. Nesbitt, Lewis W. Oring, John W. Richards, Chandler S. Robbins (compiler), Joe Spurry, Karl Stecher, Robert E. Stewart, John Terborgh, Edwin Willis, Mrs. Elmer G. Worthley, Kenneth Wright.

144. Point Lookout, Md. (7½-mile radius centering on St. Inigoes Neck, 5 miles south of St. Mary's City, covering Point Lookout, St. Georges Island, St. Jerome Neck, St. Mary's River; Loblolly Pine woods 50%, bay and tidal rivers 40%, deciduous woods 5%, marsh 5%).—Jan. 2; 6:30 a.m. to 6 p.m. Partly cloudy; temp. 34° to 44°; wind NE, 10-25 m.p.h.; fresh-water areas and marshes frozen a.m., thawing somewhat p.m. Four observers in 3 parties. Total party-hours, 42 (26 on foot, 16 by car); total party-miles, 211 (28 on foot, 183 by car). Common Loon, 3; Red-throated Loon, 2; Horned Grebe, 241; Double-crested Cormorant, 26; Great Blue Heron, 21; Black-crowned Night Heron, 3; Am. Bittern, 1; Whistling Swan, 7; Canada Goose, 178; Mallard, 16; Black Duck, 11; Gadwall, 52; Am. Widgeon, 177; Green-winged Teal, 1; Redhead, 759; Canvas-back, 1189; Greater Scaup, 15; Lesser Scaup, 3; scaup (sp.), 64; Am. Golden-eye, 567; Buffle-head, 553; Old-squaw, 822; White-winged Scoter, 3; Surf Scoter, 62; scoter (sp.), 1500; Ruddy Duck, 783; Am. Merganser, 8; Red-breasted Merganser, 67; Turkey Vulture, 123; Black Vulture, 3; Sharp-shinned Hawk, 1; Cooper's Hawk, 4; Red-tailed Hawk, 10; Red-shouldered Hawk, 3; Marsh Hawk, 8; Sparrow Hawk, 14; Bob-white, 18; Virginia Rail, 2; Am. Coot, 181; Killdeer, 79; Wilson's Snipe, 3; Great Black-backed Gull, 8; Herring Gull, 589; Ring-billed Gull, 237; Bonaparte's Gull, 24; Mourning Dove, 6; Screech Owl, 1; Belted Kingfisher, 18; Yellow-shafted Flicker, 10; Red-bellied Woodpecker, 12; Hairy Woodpecker, 6; Downy Woodpecker, 22; Eastern Phoebe, 1; Horned Lark, 9; Blue Jay, 7; Am. Crow, 428; Fish Crow, 2; Carolina Chickadee, 72; Tufted Titmouse, 24; Red-breasted Nuthatch, 1; Brown-headed Nuthatch, 63; Brown Creeper, 4; Winter Wren, 5; Carolina Wren, 48; Short-billed Marsh Wren, 2; Mockingbird, 50; Am. Robin, 1103; Hermit Thrush, 52; Eastern Bluebird, 124; Golden-crowned Kinglet, 16; Ruby-crowned Kinglet, 1; Cedar Waxwing, 81; Loggerhead Shrike, 9; Common Starling, 886; **Yellow-breasted Chat, 1** (C.R.); Myrtle Warbler, 467; Pine Warbler, 2; Palm Warbler, 7 (Western); House Sparrow, 390; Eastern Meadowlark, 221; Red-winged Blackbird, 1411; Brown-headed Cowbird, 20; Cardinal, 210; Purple Finch, 1; Am. Goldfinch, 174; Eastern Towhee, 21; Savannah Sparrow, 9; **Seaside Sparrow,** 1; Slate-colored Junco, 133; Am. Tree Sparrow, 11; Field Sparrow, 214; White-throated Sparrow, 233; Fox Sparrow, 47; Swamp Sparrow, 35; Song Sparrow, 150. **Total,** 93 species; about 15,461 individuals.—Carl Dianda, Jack P. Hailman, Chandler S. Robbins, John Terborgh (compiler).

145. St. Michaels, Md. (same area as last year, same habitat percentages).—Dec. 29; 4:30 a.m. to 5:30 p.m. Clear; temp. 14° to 34°; wind NW, 0-10

m.p.h.; ground frozen, tidal inlets frozen out about 100 yds., Chesapeake and Eastern Bays open. Twenty-seven observers in 8 parties. Total party-hours, 96 (64 on foot, 32 by car); total party-miles, 376 (64 on foot, 312 by car). Common Loon, 1; Horned Grebe, 102; Great Blue Heron, 17; Whistling Swan, 4758; Canada Goose, **19,346**; Am. Brant, 100; Mallard, 719; Black Duck, 1229; Gadwall, 1; Am. Widgeon, 2148; Pintail, 814; Redhead, 253; Canvasback, 3632; scaup (sp.), 158; Am. Golden-eye, 1199; Buffle-head, 121; Old-squaw, 223; White-winged Scoter, 250; Surf Scoter, 2; Am. Scoter, 5; Ruddy Duck, 115; Am. Merganser, 2; Red-breasted Merganser, 5; Turkey Vulture, 124; Sharp-shinned Hawk, 2; Cooper's Hawk, 3; Red-tailed Hawk, 21; Red-shouldered Hawk, 3; Bald Eagle, 5; Marsh Hawk, 12; Sparrow Hawk, 29; Bob-white, 215; Am. Coot, 45; Killdeer, 34; Wilson's Snipe, 3; **Lesser Yellow-legs, 1** (R.F.); Great Black-backed Gull, 6; Herring Gull, 530; Ring-billed Gull, 201; Mourning Dove, 319; Barn Owl, 1; Screech Owl, 5; Horned Owl, 13; Belted Kingfisher, 32; Yellow-shafted Flicker, 26; Red-bellied Woodpecker, 26; **Red-headed Woodpecker, 1**; Yellow-bellied Sapsucker, 8; Hairy Woodpecker, 18; Downy Woodpecker, 80; Eastern Phoebe, 1; Horned Lark, 60; Blue Jay, 93; Am. Crow, 2389; Fish Crow, 61; Carolina Chickadee, 347; Tufted Titmouse, 76; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 4; Brown-headed Nuthatch, **130**; Brown Creeper, 25; **House Wren, 1** (carefully identified—R.L., T.L.); Winter Wren, 11; Carolina Wren, 148; Mockingbird, 137; Brown Thrasher, 1; Am. Robin, **2080**; Hermit Thrush, 8; Eastern Bluebird, 153; Golden-crowned Kinglet, 19; Ruby-crowned Kinglet, 10; Water Pipit, 5; Cedar Waxwing, 51; Loggerhead Shrike, 6; Common Starling, 1537; Myrtle Warbler, 236; Pine Warbler, 2; Palm Warbler, 3; House Sparrow, 539; Eastern Meadowlark, 605; Red-winged Blackbird, 546; **Baltimore Oriole, 1** (at feeder 3 weeks); Purple Grackle, 140; Brown-headed Cowbird, 251; Cardinal, 326; Evening Grosbeak, 2; Pine Siskin, 40; Am. Goldfinch, 183; **Red Crossbill, 1** (collected); Eastern Towhee, 20; Savannah Sparrow, 28; Slate-colored Junco, **1494**; **Am. Tree Sparrow, 30**; Field Sparrow, 133; White-throated Sparrow, **2765**; Fox Sparrow, 1; Swamp Sparrow, 23; Song Sparrow, 576; **Snow Bunting, 1** (R.L.K.). **Total,** 99 species; about 52,268 individuals. (Seen in area count period: Saw-whet Owl, Am. Woodcock.)—Harry Armistead, John Bates, Robert Bates, Gladys Cole, Richard Cole, Vincent Earickson, Don Fankhauser, Naomi Hewitt, A. J. Fletcher, Roberta Fletcher, Richard L. Kleen (compiler), Richard Lord, Thomas Lord, Chandler S. Robbins, Edwin Willis (Talbot County Bird Club and Maryland Ornithological Society).

146. Seneca, Md. (15-mile diameter centering at Seneca including C. and O. Canal from Great Falls to Edwards Ferry, excluding Virginia side of river; pasture 25%, plowed land 25%, wooded 25%, submarginal 20%, villages 5%).—Jan. 1; 8 a.m. to 4 p.m. Clear; temp. 28° to 38°; wind NW, 10-18 m.p.h.; water frozen except portions of small streams and scattered areas on Potomac. Four observers in 1 party. Total party-hours, 10 (5 on foot, 5 by car); total party-miles, 58 (8 on foot, 50 by car). Am. Merganser, 23; Turkey Vulture, 25; Red-tailed Hawk, 1; Sparrow Hawk, 6; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 3; Red-headed Woodpecker, **30**; Yellow-bellied Sapsucker, 3; Downy Woodpecker, 18; Blue Jay, 32; Am. Crow, 17; Carolina Chickadee, 22; Tufted Titmouse, 27; Brown Creeper, 3; Carolina Wren, 9; Mockingbird, 18; Am. Robin, 1; Eastern Bluebird, 52; Golden-crowned Kinglet, 1; Cedar Waxwing, 9; Loggerhead Shrike, 1; Common Starling, 634; Myrtle Warbler, 1; House Sparrow, 42; Cardinal, 37; Evening Grosbeak, 46; Purple Finch, 1; Am. Goldfinch, 74; Slate-colored Junco, 72; Field Sparrow, 8; White-throated Sparrow, 81; Song Sparrow, 3. **Total,** 32 species; about 1305 individuals. —Eva Linscott, Hilda E. Smith (compiler), Charles N. Thomsen, Goldie Thomsen (Takoma Park Nature Society).

147. Southern Dorchester County, Md. (Blackwater National Wildlife Refuge to Elliott Island; same area and habitats as in past 8 years).—Dec. 28; 5 a.m. to 6:30 p.m. Clear; temp. 14° to 28° to 20°; wind NE, 10 m.p.h.; marshes and most ponds frozen, most of Blackwater River and tidal creeks frozen. Eighteen observers in 6 parties. Total party-hours, 93 (85 on foot, 7 by car, 1 by boat); total party-miles, 183 (104 on foot, 78 by car, 1 by boat). Horned Grebe, 5; Pied-billed Grebe, 5; Great Blue Heron, 26; Black-crowned Night Heron, 9; Am. Bittern, 1; Whistling Swan, 2; Canada Goose, 3502; Snow Goose, 1; Mallard, 5250; Black Duck, 10,125; Gadwall, 57; Am. Widgeon, 30; Pintail, 365; Green-winged Teal, 31; Blue-winged Teal, 2; Shoveller, 4; Redhead, 32; Ring-necked Duck, 1; Canvas-back, 55; scaup (sp.), 53; Am. Golden-eye, 62; Buffle-head, 2; Old-squaw, 20; Ruddy Duck, 117; Hooded Merganser, 11; Am. Merganser, 78; Turkey Vulture, 126; Black Vulture, 3; Sharp-shinned Hawk, 5; Cooper's Hawk, 2; Red-tailed Hawk, 13; Red-shouldered Hawk, 9; Rough-legged Hawk, 2; Bald Eagle, 14; Marsh Hawk, 33; Sparrow Hawk, 13; Bob-white, 41; King Rail, 2; Virginia Rail, 2; Am. Coot, 3; Killdeer, 34; Am. Woodcock, 1; Wilson's Snipe, 9; Lesser Yellow-legs, 7; **Least Sandpiper, 1** (R.E.S.); Herring Gull, 177; Ring-billed Gull, 147; Mourning Dove, 218; Barn Owl, 1; Screech Owl, 3; Horned Owl, 14; **Long-eared Owl, 1** (E.W.); Short-eared Owl, 2; Belted Kingfisher, 11; Yellow-shafted Flicker, 35; Pileated Woodpecker, 7; Red-bellied Woodpecker, 20; Hairy Woodpecker, 17; Downy Woodpecker, 52; Blue Jay, 18; Am. Crow, 3470; Carolina Chickadee, 131; Tufted Titmouse, 92; Brown-headed Nuthatch, 67; Brown Creeper, 31; Winter Wren, **39**; Carolina Wren, 33; Long-billed Marsh Wren, 12; Short-billed Marsh Wren, 5; Mockingbird, 15; Catbird, 4; Brown Thrasher, 3; Am. Robin, 271; Hermit Thrush, 24; Eastern Bluebird, 20; Golden-crowned Kinglet, 57; Ruby-crowned Kinglet, 8; Water Pipit, 5; Cedar Waxwing, 4; Loggerhead Shrike, 4; Common Starling, 320; Myrtle Warbler, 894; Pine Warbler, 3; Palm Warbler, 1 (Western); House Sparrow, 75;

Eastern Meadowlark, 373; Red-winged Blackbird, 17,390; Rusty Blackbird, 5; Purple Grackle, 1558; Brown-headed Cowbird, 1116; Cardinal, 147; Evening Grosbeak, 2; Purple Finch, 4; Pine Siskin, 3; Am. Goldfinch, 548; Eastern Towhee, 44; Savannah Sparrow, 115; Seaside Sparrow, 1; Vesper Sparrow, 2; Slate-colored Junco, 449; Am. Tree Sparrow, 14; Field Sparrow, 237; White-throated Sparrow, 1225; Fox Sparrow, 4; Swamp Sparrow, **1056**; Song Sparrow, 740. **Total,** 106 species; about 51,510 individuals. (Sora noted during the period. Three species of scoters, seen during count a few hundred yards outside the circle, had been forced off the area by freezing of sheltered estuaries).—Elting Arnold, James M. Bates, Robert B. Bates, Philip A. DuMont, Paul G. DuMont, Don P. Fankhauser, Ira N. Gabrielson, Larry Griffin, Ellsworth Knudson, Stephen A. Nesbitt, Bruce I. Nesbitt, Lewis W. Oring, John W. Richards, Chandler S. Robbins (compiler), Robert E. Stewart, John Terborgh, Edwin Willis, Kenneth Wright.

148. Triadelphia Reservoir, Md. (Montgomery and Howard Counties; same area and habitat percentages as in previous 7 years but better coverage of wooded stream valleys).—Dec. 24; 5:30 a.m. to 5 p.m. Partly cloudy; temp. 31° to 48°; wind SW, 3-10 m.p.h.; ground clear but frozen, Rocky Gorge Reservoir 95% frozen, Triadelphia Reservoir 85% frozen. Eighteen observers in 7 parties. Total party-hours, 64 (39 on foot, 25 by car); total party-miles, 288 (42 on foot, 246 by car). Common Loon, 1; Horned Grebe, 1; Pied-billed Grebe, 1; Great Blue Heron, 5; Canada Goose, 3; Mallard, 2500; Black Duck, 750; Gadwall, 1; Am. Widgeon, 3; Pintail, 9; Green-winged Teal, 14; Ring-necked Duck, 1; Am. Golden-eye, 2; Buffle-head, 1; Old-squaw, 1; Hooded Merganser, 18; Am. Merganser, 41; Turkey Vulture, 166; Sharp-shinned Hawk, 1; Cooper's Hawk, 4; Red-tailed Hawk, 8; Red-shouldered Hawk, 10; Sparrow Hawk, 33; Bob-white, 29; Killdeer, 2; Herring Gull, 1; Mourning Dove, 317; Screech Owl, 2; Barred Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 35; Red-bellied Woodpecker, 72; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 27; Downy Woodpecker, 70; Eastern Phoebe, 1; Horned Lark, 29; Blue Jay, **324**; Am. Crow, 984; Black-capped Chickadee, 10; Carolina Chickadee, 165; Tufted Titmouse, 111; White-breasted Nuthatch, 26; Red-breasted Nuthatch, 5; Brown Creeper, 20; Winter Wren, 13; Carolina Wren, 120; Mockingbird, 179; Am. Robin, 270; Hermit Thrush, 3; Eastern Bluebird, **262;** Golden-crowned Kinglet, 64; Cedar Waxwing, 22; Loggerhead Shrike, 3; Common Starling, 4364; Myrtle Warbler, 17; House Sparrow, 327; Eastern Meadowlark, 164; Red-winged Blackbird, 1; Purple Grackle, 2; Cardinal, 250; Evening Grosbeak, 1; Purple Finch, 102; Am. Goldfinch, 224; Eastern Towhee, 8; Savannah Sparrow, 1; Slate-colored Junco, 1616; Am. Tree Sparrow, 544; Field Sparrow, 149; White-crowned Sparrow, **83**; White-throated Sparrow, 612; Fox Sparrow, 2; Swamp Sparrow, 10; Song Sparrow, 254. **Total,** 75 species; about 15,484 individuals. (Marsh Hawk seen in area during period.) —C. E. Addy, W. D. Addy, Charles M. Buchanan, Mrs. Gladys H. Cole, Richard D. Cole, Murray Evans, John H. Fales, Jack P. Hailman, Duvall A. Jones, Margaret L. Low, Seth H. Low (compiler), Seth T. Low, Mrs. G. C. Munro, Lewis W. Oring, Chandler S. Robbins, Paul F. Springer, Robert E. Stewart, Edwin O. Willis.

149. Washington, D. C. (area same as in past 12 years; city and suburbs 10%, deciduous woodland 35%, pine woods 10%, fields 12%, brush 3%, marsh 10%, water 20%).—Dec. 31; 6:30 a.m. to 6 p.m. Clear; temp. 20° to 35°; wind NW, 10-20 m.p.h.; rivers, ponds and streams frozen, ground clear. Fifty-four observers in 25 parties and 3 at feeding stations. Total party-hours, 225½ (201 on foot, 24½ by car); total party-miles, 316 (149 on foot, 167 by car). Horned Grebe, 3; Pied-billed Grebe, 4; Great Blue Heron, 23; Black-crowned Night Heron, 2; Am. Bittern, 1; Canada Goose, 14; Mallard, 203; Black Duck, 185; Am. Widgeon, **233**; Pintail, 281; Green-winged Teal, 38; Shoveller, 13; Redhead, 7; Canvas-back, **24**; Lesser Scaup, **148**; Buffle-head, **55**; Ruddy Duck, 56; Hooded Merganser, 6; Am. Merganser, 59; Turkey Vulture, 402; Black Vulture, 18; Sharp-shinned Hawk, 5; Cooper's Hawk, 5; Red-tailed Hawk, 13; Red-shouldered Hawk, 19; Rough-legged Hawk, 1; Bald Eagle, 4; Marsh Hawk, 1; Sparrow Hawk, 21; Bob-white, 63; Am. Coot, 3; Killdeer, 88; Wilson's Snipe, 10; Herring Gull, 687; Ring-billed Gull, 919; Mourning Dove, 166; Barn Owl, 3; Horned Owl, 4; Barred Owl, 12; Belted Kingfisher, 10; Yellow-shafted Flicker, 85; Pileated Woodpecker, 7; Red-bellied Woodpecker, 104; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, **19**; Hairy Woodpecker, 31; Downy Woodpecker, **246**; Eastern Phoebe, 3; Blue Jay, 339; Am. Crow, 560; Fish Crow, 34; Black-capped Chickadee, 3; Carolina Chickadee, 698; Tufted Titmouse, **528**; White-breasted Nuthatch, **273**; Red-breasted Nuthatch, 10; Brown Creeper, 45; Winter Wren, 54; Carolina Wren, 226; Long-billed Marsh Wren, 6; Short-billed Marsh Wren, 1; Mockingbird, 293; Catbird, 3; Am. Robin, **286**; Hermit Thrush, 10; **Olive-backed Thrush,** 1 (carefully identified—R.H.); Eastern Bluebird, 138; Golden-crowned Kinglet, 103; Ruby-crowned Kinglet, 10; Cedar Waxwing, 66; Common Starling, 40,339; **Orange-crowned Warbler,** 1 (P.G.D.); Myrtle Warbler, 68; **Yellow-breasted Chat,** 1 (P.A.D.); House Sparrow, 702; Eastern Meadowlark, 62; Red-winged Blackbird, **1478**; Rusty Blackbird, **140**; Purple Grackle, 10; Brown-headed Cowbird, 27; Cardinal, 758; Evening Grosbeak, 34; Purple Finch, **224**; **Common Redpoll,** 3 (H.N., H.N.P.); Pine Siskin, 15; Am. Goldfinch, 398; Eastern Towhee, 14; Vesper Sparrow, 2; Slate-colored Junco, 1975; Am. Tree Sparrow, **327**; Field Sparrow, 181; White-crowned Sparrow, 3; White-throated Sparrow, 1123; Fox Sparrow, 7; Swamp Sparrow, 35; Song Sparrow, 570. **Total,** 96 species; about 56,489 individuals.—E. Arnold, P. Arnold, S. Arnold, L. T. Berry, J. Boyd, R. Caswell, Mrs. A. T. Culbertson, E. G. Davis, W. DelGrande, C. Dillon, P. A. DuMont, P. G. DuMont,

R. H. Farquhar, A. Fox, M. Fowler, M. Gilbert, Mrs. E. W. Goodpasture, P. Gregory, J. Hailman, E. Hall, E. G. Hayward, R. Higbie, C. R. Hough, Sr., C. R. Hough, Jr., A. Hubbell, F. H. Hyatt, G. F. Hyatt, K. Keeley, E. Kunze, B. Major, G. M. Meade, J. Meade, J. Mercereau, L. Morgan, W. P. Mull, E. Nesbitt, Mrs. E. C. Niebuhr, H. Norment, P. Ourusoff, Mrs. F. Over, H. N. Page, J. Reed, C. Slusher, H. B. Stabler, K. Stecher, H. Sutton (compiler), Dr. and Mrs. R. Tousey, G. Treichel, K. Trever, J. Turner, L. M. Wendt, W. White, M. Wilson (Audubon Society of the District of Columbia).

150. Abingdon, Va. (area covered in previous years greatly reduced but supplemented by addition of valley east of South Fork Holston River; farmland and pastures 25%, deciduous woodland 35%, mixed pine and deciduous woodland 20%, marsh and creek-bottoms 10%, lake 10%).—Dec. 31, 7 a.m. to 5 p.m. Clear; temp. 12° to 34°; wind NW, 0-12 m.p.h.; little ice on lakes and ponds, snow only at higher altitudes. Four observers in 2 parties. Total party-hours, 13 (6 on foot, 7 by car); total party-miles, 87 (5 on foot, 82 by car). Great Blue Heron, 1; Black Duck, 2; Am. Golden-eye, 2; Turkey Vulture, 5; Black Vulture, 3; Cooper's Hawk, 1; Sparrow Hawk, 5; Killdeer, 1; Mourning Dove, 42; Red-bellied Woodpecker, 1; Downy Woodpecker, 2; Eastern Phoebe, 2; Blue Jay, 2; Am. Crow, 82; Carolina Chickadee, 9; Tufted Titmouse, 2; Carolina Wren, 7; Mockingbird, 14; Am. Robin, 6; Eastern Bluebird, 40; Golden-crowned Kinglet, 2; Loggerhead Shrike, 3; Common Starling, 420; House Sparrow, 76; Eastern Meadowlark, 46; Cardinal, 31; Pine Siskin, 2; Am. Goldfinch, 25; Eastern Towhee, 1; Slate-colored Junco, 48; Field Sparrow, 6; White-crowned Sparrow, 16; White-throated Sparrow, 6; Song Sparrow, 19. **Total,** 34 species; about 930 individuals.—Paul S. Dulaney, Dorothy Meakin, Douglas A. Patterson, Stephen M. Russell (compiler).

151. Back Bay National Wildlife Refuge, Va. (same area as previous years; refuge and much of main land of Princess Anne County; open farmland 20%, pine woodland 10%, deciduous woodland 20%, open beach 5%, marshes and inland bay 45%).—Dec. 26; 6:30 a.m. to 6:30 p.m. Clear; temp. 31° to 39°; wind N, 28-0 m.p.h.; ground bare, water open. Eighteen observers in 4 parties. Total party-hours, 39 (30 on foot, 9 by car); total party-miles, 305 (15 on foot, 290 by car). Common Loon, 6; Red-throated Loon, 3; Horned Grebe, 12; Pied-billed Grebe, 8; Gannet, 36; Double-crested Cormorant, 8; Great Blue Heron, 7; **Little Blue Heron,** 1; Am. Bittern, 6; Whistling Swan, 5200; Canada Goose, 5375; Snow Goose, 465; Blue Goose, 5; Mallard, 44; Black Duck, 560; Gadwall, 1; Am. Widgeon, 275; Pintail, 460; Green-winged Teal, 35; Redhead, 6; Ring-necked Duck, 300; Canvas-back, 220; Greater Scaup, 1; Lesser Scaup, 1; Buffle-head, 15; Old-squaw, 4; White-winged Scoter, 45; Surf Scoter, 3; Am. Scoter, 27; Ruddy Duck, 2500; Hooded Merganser, 12; Am. Merganser, 15; Turkey Vulture, 48; Black Vulture, 9; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 4; Red-shouldered Hawk, 11; Bald Eagle, 7; Marsh Hawk, 34; Peregrine Falcon, 1; Pigeon Hawk, 2; Sparrow Hawk, 84; Bob-white, 16; King Rail, 2; Am. Coot, 9500; Killdeer, 93; Black-bellied Plover, 4; **Am. Woodcock,** 1; Wilson's Snipe, 48; Greater Yellow-legs, 4; **Pectoral Sandpiper,** 1 (carefully studied by 4 observers at 20 yards); **Least Sandpiper,** 1; Semipalmated Sandpiper, 3; Sanderling, 1; Great Black-backed Gull, 50; Herring Gull, 556; Ring-billed Gull, 545; Bonaparte's Gull, 35; Mourning Dove, 97; Screech Owl, 1; Barred Owl, 2; Belted Kingfisher, 4; Yellow-shafted Flicker, 57; Pileated Woodpecker, 3; Red-bellied Woodpecker, 31; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 5; Downy Woodpecker, 15; Eastern Phoebe, 6; Horned Lark, 100; Blue Jay, 5; Am. Crow, 211; Fish Crow, 9; Carolina Chickadee, 59; Tufted Titmouse, 33; White-breasted Nuthatch, 3; Brown-headed Nuthatch, 69; Brown Creeper, 6; House Wren, 2; Winter Wren, 6; Carolina Wren, 53; Short-billed Marsh Wren, 6; Mockingbird, 78; Catbird, 37; Brown Thrasher, 17; Am. Robin, 1400; Hermit Thrush, 26; Eastern Bluebird, 142; Golden-crowned Kinglet, 49; Ruby-crowned Kinglet, 8; Water Pipit, 549; Loggerhead Shrike, 4; Common Starling, 470; Orange-crowned Warbler, 4; Myrtle Warbler, 3500; Pine Warbler, 8; Palm Warbler, 5; Common Yellowthroat, 8; House Sparrow, 187; Eastern Meadowlark, 395; Red-winged Blackbird, 49,000; Rusty Blackbird, 13; Purple Grackle, 3800; Brown-headed Cowbird, 3950; Cardinal, 85; Purple Finch, 6; Am. Goldfinch, 1048; Eastern Towhee, 61; Ipswich Sparrow, 2; Savannah Sparrow, 241; Slate-colored Junco, 407; Am. Tree Sparrow, 1; Chipping Sparrow, 7; Field Sparrow, 97; **White-crowned Sparrow,** 1 (L.E.B., G.G.); White-throated Sparrow, 957; Fox Sparrow, 39; **Lincoln's Sparrow,** 1 (all field marks—R.H.P.); Swamp Sparrow, 122; Song Sparrow, 120. **Total,** 121 species; about 94,352 individuals.—Dr. and Mrs. W. G. Akers, Mr. and Mrs. S. E. Breneiser, Mrs. L. E. Burford, F. O. Efird, W. Efird, M. T. Griffin, G. Grimm, H. Hespenheide, R. H. Peake, Jr., J. E. Perkins, W. F. Rountrey, P. W. Sykes, Jr. (compiler), Mrs. F. Steinbauer, E. Thomas, E. Webster, Jr., J. R. Withrow (Cape Henry Bird Club).

152. Big Flat Mountain, Va. (mostly southern portion of Shenandoah National Park, including Big Flat Mt., Blackrock, North Fork of Moormans River, Sugar Hollow Reservoir; altitude 900-3300 ft.; deciduous woods 75%, abandoned fields 18%, Hemlock groves 5%, reservoir 2%).—Jan. 2; 7 a.m. to 5:30 p.m. Cloudy; temp. 23° to 40°; wind SE to SW, 0-35 (on ridge) m.p.h.; fog and ice on ridge, reservoir partly frozen. One observer. Total hours, 10½; total miles, 19 (all on foot). Mallard, 2; Black Duck, 2; Turkey Vulture, 1; Red-tailed Hawk, 1; Ruffed Grouse, 4; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Pileated Woodpecker, 10; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 6; Eastern Phoebe, 4; Common Raven, 2; Am. Crow, 32; Carolina Chickadee, 30; Tufted Titmouse, 6; Brown

Creeper, 5; Winter Wren, 4; Carolina Wren, 9; Mockingbird, 3; Am. Robin, 136; Hermit Thrush, 4; Golden-crowned Kinglet, 14; Cedar Waxwing, 5; Common Starling, 325; Myrtle Warbler, 1; Cardinal, 27; Purple Finch, 8; Am. Goldfinch, 21; Slate-colored Junco, 90; Am. Tree Sparrow, 9; Field Sparrow, 45; White-throated Sparrow, 46; Song Sparrow, 2. **Total,** 35 species; about 863 individuals.—Charles E. Stevens, Jr.

153. Blacksburg, Va. (same area as 1953 and previous years; pasture and plowed land 20%, town and suburbs 10%, virgin White Oak woodlots 20%, mixed pine and oak woods 20%, river and creek-bottom 30%).—Dec. 26; 6:30 a.m. to 5 p.m. Overcast; temp. 29° to 31°; no wind; ground bare, light snow around noon, melting by end of day, ponds mostly unfrozen. Eighteen observers in 8 parties. Total party-hours, 53½ (52 on foot, 1½ by car); total party-miles, 89 (64 on foot, 25 by car). Common Loon, 1; Pied-billed Grebe, 2; **Canada Goose,** 31; Mallard, 100; Black Duck, 21; Am. Widgeon, 67; Pintail, 6; Redhead, 30; Canvas-back, 16; Lesser Scaup, 60; Am. Golden-eye, 45; Buffle-head, 71; Ruddy Duck, 2; Hooded Merganser, 14; Turkey Vulture, 3; Black Vulture, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; **Pigeon Hawk, 1** (A.L.D.); Sparrow Hawk, 6; Ruffed Grouse, 7; Bob-white, 23 (3 coveys); Am. Coot, 1; Killdeer, 23; Wilson's Snipe, 4; **Spotted Sandpiper, 1** (carefully studied at close range—C.O.H., Sr., J.M.H.); Mourning Dove, 205; Screech Owl, 1; Horned Owl, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 26; Pileated Woodpecker, 7; Red-bellied Woodpecker, 8; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 17; Downy Woodpecker, 41; Eastern Phoebe, 5; Horned Lark, 96; Blue Jay, 17; **Common Raven,** 1 (C.O.H., Jr.); Am. Crow, 867; Black-capped Chickadee, 8; Carolina Chickadee, 125; Tufted Titmouse, 102; White-breasted Nuthatch, 46; Red-breasted Nuthatch, 10; Brown Creeper, 10; Winter Wren, 4; Carolina Wren, 29; Mockingbird, 43; Am. Robin, 256; Hermit Thrush, 3; Eastern Bluebird, 41; Golden-crowned Kinglet, 58; Ruby-crowned Kinglet, 2; Loggerhead Shrike, 7; Common Starling, 1260; Myrtle Warbler, 15; House Sparrow, 357; Eastern Meadowlark, 103; Rusty Blackbird, 1; Purple Grackle, 2; Cardinal, 167; **Evening Grosbeak, 1** (C.O.H., Jr.); Purple Finch, 5; Pine Siskin, 4; Am. Goldfinch, 153; Slate-colored Junco, 306; Am. Tree Sparrow, 4; Field Sparrow, 49; White-crowned Sparrow, 61; White-throated Sparrow, 13; Fox Sparrow, 2; Swamp Sparrow, 2; Song Sparrow, 102. **Total,** 78 species; about 5191 individuals. (Seen in area count week: Eastern Towhee.)—John Cooper, A. L. Dean, R. V. Dietrich, Cynthia Furtsch, M. G. Hale, C. O. Handley, Sr., C. O. Handley, Jr., J. M. Handley, Martha Kline, J. S. Lindsey, H. S. Mosby, J. W. Murray, G. M. Shear, Mr. and Mrs. E. A. Smyth, Allyn Smyth, Grace Smyth, R. J. Watson(compiler).

154. Brooke, Va. (triangular area with Brooke, Widewater, mouth of Potomac Creek at the 3 apices; waterfront 20%, marsh 10%, fields 10%, hedgerows 10%, mixed forest edge 30%, slash 5%, deciduous woods 8%, pine woods 7%).—Dec. 26; 7:10 a.m. to 5 p.m. Cloudy a.m., clear p.m.; temp. 34° to 38°; wind NW, 0-18 m.p.h.; ground bare, Potomac River and tidal creeks open. Six observers in 5 parties. Total party-hours, 36; total party-miles, 22 (all on foot). Great Blue Heron, 5; Whistling Swan, 50; Canada Goose, 6; Mallard, 35; Black Duck, 200; Am. Widgeon, 14; Ring-necked Duck, 2; Canvas-back, 200; scaup (sp.), 225; Am. Golden-eye, 8; Bufflehead, 50; Ruddy Duck, 600; Am. Merganser, 2000; Red-breasted Merganser, 7; Turkey Vulture, 6; Red-tailed Hawk, 1; Bald Eagle, 5; Sparrow Hawk, 2; Bob-white, 8; Killdeer, 9; Herring Gull, 50; Ring-billed Gull, 100; Mourning Dove, 20; Belted Kingfisher, 6; Yellow-shafted Flicker, 5; Pileated Woodpecker, 1; Red-bellied Woodpecker, 15; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 15; Eastern Phoebe, 2; Blue Jay, 11; Am. Crow, 50; Fish Crow, 4; Carolina Chickadee, 26; Tufted Titmouse, 8; Red-breasted Nuthatch, 1; Brown Creeper, 9; **House Wren,** 1 (A.B., E.M.); Winter Wren, 4; **Bewick's Wren,** 1 (carefully identified—L.L., W.R.); Carolina Wren, 30; Mockingbird, 30; Am. Robin, 100; Hermit Thrush, 3; Eastern Bluebird, 35; **Blue-gray Gnatcatcher,** 1 (carefully identified—E.M.); Golden-crowned Kinglet, 15; Ruby-crowned Kinglet, 2; Cedar Waxwing, 80; Loggerhead Shrike, 1; Common Starling, 100; Myrtle Warbler, 13; **Common Yellowthroat,** 1; House Sparrow, 20; Eastern Meadowlark, 25; Red-winged Blackbird, 500; **Baltimore Oriole,** 1 (A.B.); Cardinal, 70; Purple Finch, 5; Am. Goldfinch, 50; Eastern Towhee, 2; Savannah Sparrow, 3; Slate-colored Junco, 300; Am. Tree Sparrow, 33; Field Sparrow, 70; White-throated Sparrow, 500; Fox Sparrow, 2; Swamp Sparrow, 27; Song Sparrow, 125. **Total,** 70 species; about 5912 individuals. (Seen in area count period: Long-billed Marsh Wren, Evening Grosbeak.)—C. A. Anderson, A. A. Baker, Luna Leopold, Edwin T. McKnight (compiler), Thomas Nolan, W. W. Rubey.

155. Charlottesville, Va. (same area as in previous years; farmland 25%, riverbottom 25%, lakes and ponds 25%, deciduous woods 20%, pine woods 5%).—Dec. 31; 6:30 a.m. to 5 p.m. Partly cloudy; temp. 27° to 43°; wind W, 5-30 m.p.h.; ponds and river mostly frozen. Four observers in 4 parties. Total party-hours, 33 (29 on foot, 4 by car); total party-miles, 196 (30 on foot, 166 by car). Pied-billed Grebe, 1; Great Blue Heron, 1; Mallard, 57; Black Duck, 19; Turkey Vulture, 92; Black Vulture, 41; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 5; Sparrow Hawk, 3; Bob-white, 21; Killdeer, 1; Mourning Dove, 128; Belted Kingfisher, 5; Yellow-shafted Flicker, 17; Pileated Woodpecker, 5; Red-bellied Woodpecker, 31; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 38; Eastern Phoebe, 7; Horned Lark, 35; Blue Jay, 24; Am. Crow, 213; Carolina Chickadee, 75; Tufted Titmouse, 61; White-breasted Nuthatch, 22; Brown Creeper, 6; Winter Wren, 10; Carolina

Wren, 49; Mockingbird, 65; Am. Robin, 53; Hermit Thrush, 6; Eastern Bluebird, 78; Golden-crowned Kinglet, 35; Ruby-crowned Kinglet, 1; Cedar Waxwing, 29; Loggerhead Shrike, 5; Common Starling, 3035; Myrtle Warbler, 35; House Sparrow, 15; Eastern Meadowlark, 20; Rusty Blackbird, 2; Cardinal, 221; Evening Grosbeak, 3; Purple Finch, 56; Am. Goldfinch, 82; Slate-colored Junco, 755; Am. Tree Sparrow, 21; Field Sparrow, 89; White-crowned Sparrow, 15; White-throated Sparrow, 239; Fox Sparrow, 6; Swamp Sparrow, 7; Song Sparrow, 165. **Total,** 55 species; about 6014 individuals.—Mrs. C. O. Gregory, Kenneth Lawless, Charles E. Stevens, Jr. (compiler), R. J. Watson.

156. Chatham, Va. (7½-mile radius centering on Pittsylvania County Courthouse; fields 75%, woods 25%).—Dec. 26; 8:05 a.m. to 4:50 p.m. Mostly overcast, snow p.m.; temp. 36° to 39°; wind NW, 0-15 m.p.h.; ground bare at start, later with light sprinkling of snow, creeks open, shaded pools frozen. One observer. Total hours, 8¾ (7 on foot, 1¾ by car); total miles, 14 (3 on foot, 11 by car). Duck (sp.), 160; Turkey Vulture, 3; Black Vulture, 3; Cooper's Hawk, 2; Sparrow Hawk, 1; Killdeer, 5; Mourning Dove, 26; Red-bellied Woodpecker, 1; Downy Woodpecker, 3; Eastern Phoebe, 2; Horned Lark, 5; Blue Jay, 5; Am. Crow, 9; Carolina Chickadee, 12; Tufted Titmouse, 8; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 4; Brown Creeper, 2; Carolina Wren, 5; Mockingbird, 3; Am. Robin, 55; Hermit Thrush, 6; Eastern Bluebird, 10; Golden-crowned Kinglet, 32; Ruby-crowned Kinglet, 5; Common Starling, 72; Myrtle Warbler, 14; Eastern Meadowlark, 31; Cardinal, 16; Purple Finch, 16; Pine Siskin, 1; Am. Goldfinch, 27; Slate-colored Junco, 53; Field Sparrow, 38; White-crowned Sparrow, 1; White-throated Sparrow, 24; Song Sparrow, 8. **Total,** 37 species; about 669 individuals.—William S. James.

157. Chincoteague National Wildlife Refuge, Va. (same area as last year; open farmland 5%, pine and mixed woodland 25%, Scrub Pine and Bayberry 15%, brackish marshes and impoundments 15%, salt marshes 10%, sheltered bays 15%, dunes 3%, mud and sand flats 7%, ocean beach 5%.).—Dec. 29; 6:30 a.m. to 6:30 p.m. Overcast; temp. 24° to 34°; wind N, 0-6 m.p.h.; ground bare, flats, marshes, and ponds largely frozen. Eight observers in 5 parties. Total party-hours, 42½ (33 on foot, 6 by car, 3½ by boat); total party-miles, 121 (38 on foot, 70 by car, 13 by boat). Common Loon, 92; Red-throated Loon, 35; Red-necked Grebe, 4; Horned Grebe, **1703**; Pied-billed Grebe, **163**; Great Blue Heron, 58; Am. Egret, 2; **Louisiana Heron, 3** (1 each by 3 separate parties); **Little Blue Heron, 1** (J.E.K.); **Green Heron, 5** (J. T., J.M.V.); Black-crowned Night Heron, 68; Am. Bittern, 3; Whistling Swan, 85; Canada Goose, 229; Am. Brant, 10,304; Snow Goose, 4078; Mallard, 1162; Black Duck, 8712; Gadwall, 240; Am. Widgeon, 1105; Pintail, 1950; Green-winged Teal, 228; **Blue-winged Teal, 2** (J.M.V.); Shoveller, 300; Redhead, 10; Ring-necked Duck, 200; Canvas-back, 1450; Greater Scaup, 45; scaup (sp.), 6948; Am. Golden-eye, 158; Buffle-head, 168; Old-squaw, 231; White-winged Scoter, 338; Surf Scoter, 3525; Am. Scoter, 1037; scoter (sp.), 2000; Ruddy Duck, 152; Hooded Merganser, 90; Red-breasted Merganser, 144; Turkey Vulture, 4; Sharp-shinned Hawk, 5; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Bald Eagle, 1; Marsh Hawk, 8; Peregrine Falcon, 1; Sparrow Hawk, 10; Bob-white, 20; Clapper Rail, 13; Am. Coot, 215; Killdeer, 22; Black-bellied Plover, 110; Wilson's Snipe, 12; Greater Yellow-legs, 16; Lesser Yellow-legs, 13; Least Sandpiper, 7; Red-backed Sandpiper, 702; **Long-billed Dowitcher, 3** (P.A.D.); Semipalmated Sandpiper, 48; Sanderling, 197; Great Black-backed Gull, 54; Herring Gull, 1360; Ring-billed Gull, 146; Mourning Dove, 55; Belted Kingfisher, 11; Yellow-shafted Flicker, 38; Red-bellied Woodpecker, 5; Hairy Woodpecker, 2; Downy Woodpecker, 10; Horned Lark, 4; Am. Crow, **10,000**; Fish Crow, 100; Carolina Chickadee, 19; Tufted Titmouse, 6; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 6; Brown-headed Nuthatch, 36; Brown Creeper, 17; **House Wren,** 1; Winter Wren, 26; Carolina Wren, 23; Short-billed Marsh Wren, 12; Mockingbird, 4; Catbird, 2; Brown Thrasher, 3; Am. Robin, 76; Hermit Thrush, 22; Eastern Bluebird, 8; Golden-crowned Kinglet, 17; Ruby-crowned Kinglet, 4; Water Pipit, 5; Cedar Waxwing, 1; Common Starling, 129; Myrtle Warbler, 1109; Pine Warbler, 6; House Sparrow, 105; Eastern Meadowlark, 91; Red-winged Blackbird, 651; Rusty Blackbird, 1; Boat-tailed Grackle, 678; Purple Grackle, 6; Brown-headed Cowbird, 40; Cardinal, 81; **Common Redpoll, 1** (P.A.D., P.G.D.); Am. Goldfinch, 68; Eastern Towhee, 18; Savannah Sparrow, 27; **Henslow's Sparrow, 1** (L.G.); Sharp-tailed Sparrow, 4; Vesper Sparrow, 2; Slate-colored Junco, 54; Field Sparrow, 30; White-throated Sparrow, 239; Fox Sparrow, 44; Swamp Sparrow, 189; Song Sparrow, 138. **Total,** 115 species; about 64,225 individuals. [Black Swan, *Cygnus atratus*, seen with Whistling Swans was included in list. This species is such a common bird in parks and estates that the one reported is undoubtedly an escape from captivity rather than a wanderer from Australia.—Ed.]—P. A. DuMont, P. G. DuMont, L. Griffin, J. E. Knudson, F. R. Scott (compiler), C. C. Steirly, J. Terborgh, J. M. Valentine.

158. Cobb Island, Va. (entire length of Cobb Island, Cobb Bay and Sand Shoal Channel west nearly to Oyster; open bay 30%, sand dunes 30%, ocean beach 25%, salt marsh 10%, mud and sand flats 5%).—Dec. 28; 7 a.m. to 4:30 p.m. Partly cloudy; temp. 23° to 32°; wind N, 10-20 m.p.h.; ground bare, flats and sheltered marshes partially frozen. Two observers in 1-2 parties. Total party-hours, 11 (8½ on foot, 2½ by motorboat); total party-miles, 34 (17 on foot, 17 by boat). Common Loon, 4; Red-throated Loon, 2; Horned Grebe, 135; Pied-billed Grebe, 1; Great Blue Heron, 4; Am. Bittern, 2; Canada Goose, 36; Am. Brant, 255; Black Duck, 30; Am. Golden-eye, 7; Buffle-head, 9; Old-squaw, 2; White-winged Scoter, 3; Surf Scoter, 275; Am. Scoter, 42; Red-breasted Merganser, 11; Turkey

Vulture, 1; Marsh Hawk, 2; Killdeer, 1; Black-bellied Plover, 327; Red-backed Sandpiper, **3460**; Western Sandpiper, 5; Sanderling, 14; Great Black-backed Gull, 8; Herring Gull, 485; Ring-billed Gull, 30; Horned Lark, 30; Common Starling, 13; Eastern Meadowlark, 90; Ipswich Sparrow, 2; Savannah Sparrow, 36; Sharp-tailed Sparrow, 8; Song Sparrow, 3. **Total,** 33 species; about 5333 individuals.—F. R. Scott (compiler), C. C. Steirly.

159. **Fort Belvoir, Va.** (same area as previous year; tidal water 30%, deciduous woods 25%, pine woods 15%, pasture 10%, open fields 10%, town suburbs 5%, cattail marsh 5%).—Jan. 2; 6 a.m. to 4:15 p.m. Partly cloudy; temp. 23° to 40°; wind SW, 0-5 m.p.h.; ground bare, marshes, bays and inlets frozen, river channel ice-free. Twenty observers in 5 parties. Total party-hours, 143 (102 on foot, 41 by car); total party-miles, 171 (65 on foot, 106 by car). Horned Grebe, 2; Great Blue Heron, 4; Canada Goose, 9; Mallard, 50; Black Duck, 273; Am. Widgeon, 30; Green-winged Teal, 6; scaup (sp.), 1; Buffle-head, 2; Ruddy Duck, 701; Hooded Merganser, 8; Am. Merganser, 431; Red-breasted Merganser, 4; Turkey Vulture, 63; Black Vulture, 2; Sharp-shinned Hawk, 4; Red-tailed Hawk, 20; Red-shouldered Hawk, 10; Bald Eagle, 21; Marsh Hawk, 1; Sparrow Hawk, 6; Bob-white, 9; Killdeer, 22; Wilson's Snipe, 1; Herring Gull, 83; Ring-billed Gull, 170; Mourning Dove, 33; Horned Owl, 4; Barred Owl, 4; Belted Kingfisher, 4; Yellow-shafted Flicker, 88; Pileated Woodpecker, 11; Red-bellied Woodpecker, 52; Red-headed Woodpecker, **15**; Yellow-bellied Sapsucker, **12**; Hairy Woodpecker, 13; Downy Woodpecker, 92; Eastern Phoebe, 1; Horned Lark, 12; Blue Jay, **384**; Am. Crow, 381; Fish Crow, 7; Black-capped Chickadee, 4; Carolina Chickadee, 282; Tufted Titmouse, 234; White-breasted Nuthatch, 68; Red-breasted Nuthatch, **23**; Brown Creeper, 18; **House Wren,** 1 (carefully identified); Winter Wren, 21; Carolina Wren, 116; Mockingbird, 124; Catbird, 1; Am. Robin, **1296**; Hermit Thrush, 13; Eastern Bluebird, 69; Golden-crowned Kinglet, 34; Ruby-crowned Kinglet, **13**; Cedar Waxwing, 128; Loggerhead Shrike, 1; Common Starling, 468; Myrtle Warbler, 212; Palm Warbler, 1; House Sparrow, 233; Eastern Meadowlark, 171; Red-winged Blackbird, 530; Rusty Blackbird, **212**; **Baltimore Oriole,** 1 (P.A.D., *et al.*); Brown-headed Cowbird, 29; Cardinal, 227; **Evening Grosbeak, 25**; Purple Finch, 44; Pine Siskin, 13; Am. Goldfinch, 290; Eastern Towhee, **38**; Savannah Sparrow, 2; Slate-colored Junco, 1780; Am. Tree Sparrow, 200; Field Sparrow, 123; White-crowned Sparrow, 6; White-throated Sparrow, 777; Fox Sparrow, 8; Swamp Sparrow, 37; Song Sparrow, 271. **Total,** 84 species; about 11,190 individuals.—J. M. Abbott (compiler), J. Boyd, R. Caswell, Dr. and Mrs. E. G. Davis, D. Downing, P. A. DuMont, P. G. DuMont, M. Fowler, G. Golding, E. Hayward, Mr. and Mrs. I. C. Hoover, C. R. Hough, C. R. Hough, Jr., E. Hull, Dan Keaney, K. Stecher, R. Strosnider, H. Sutton.

160. **Glade Spring, Va.** (7½-mile radius centering on western edge of town, including part of Saltville, and segments of North, Middle, and South Forks of Holston River; fields, pasture and fencerows 50%, deciduous farm woodlots 20%, deciduous woodland 15%, riverbottom 10%, town suburbs 4%, marsh and ponds 1%).—Jan. 1; 7:15 a.m. to 5:30 p.m. Mostly clear; temp. 20° to 45°; wind W, 5-10 m.p.h. Two observers in 2 parties. Total party-hours, 13 (9 on foot, 4 by car); total party-miles, 45 (5 on foot, 40 by car). Pied-billed Grebe, 1; Mallard, 11; Pintail, 1; Turkey Vulture, 9; Black Vulture, 4; Red-tailed Hawk, 1; Sparrow Hawk, 3; Am. Coot, 4; Killdeer, 3; Wilson's Snipe, 8; Mourning Dove, 56; Horned Owl, 1; Yellow-shafted Flicker, 3; Pileated Woodpecker, 1; Red-bellied Woodpecker, 1; Downy Woodpecker, 8; Blue Jay, 12; Am. Crow, 28; Carolina Chickadee, 4; Tufted Titmouse, 20; White-breasted Nuthatch, 1; Carolina Wren, 1; Mockingbird, 8; Am. Robin, 11; Hermit Thrush, 1; Eastern Bluebird, 11; Golden-crowned Kinglet, 2; Loggerhead Shrike, 2; Common Starling, 1100; Myrtle Warbler, 5; House Sparrow, 30; Eastern Meadowlark, 17; Red-winged Blackbird, 3; Purple Grackle, 1; Brown-headed Cowbird, 1; Cardinal, 12; Am. Goldfinch, 10; Eastern Towhee, 1; Slate-colored Junco, 34; Field Sparrow, 4; White-crowned Sparrow, 19; White-throated Sparrow, 2; Song Sparrow, 12. **Total,** 43 species; about 1467 individuals.—Jane Craig, Paul S. Dulaney (compiler).

161. **Hopewell, Va.** (Presquile National Wildlife Refuge and vicinity; same area and habitat percentages as last year).—Jan. 1; 5:30 a.m. to 5:30 p.m. Partly cloudy; temp. 19° to 49°; wind NE, 1-5 m.p.h.; ground bare, marshes and ponds partially frozen. Four observers in 3 parties. Total party-hours, 27 (19 on foot, 5 by car, 3 by boat); total party-miles, 123 (13 on foot, 102 by car, 8 by boat). Pied-billed Grebe, 3; Great Blue Heron, 18; Canada Goose, 6100; Snow Goose, 1; Blue Goose, 6; Mallard, 3100; Black Duck, 950; Gadwall, 3; Am. Widgeon, 2; Pintail, 276; Green-winged Teal, 3; Shoveller, 3; Wood Duck, 225; Ring-necked Duck, 1; Lesser Scaup, 11; scaup (sp.), 2; Buffle-head, 4; Hooded Merganser, 1; Am. Merganser, 48; Red-breasted Merganser, 3; Turkey Vulture, 12; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 6; Bald Eagle, 5; Marsh Hawk, 3; Sparrow Hawk, 4; Turkey, 2; Killdeer, 8; Wilson's Snipe, 1; shorebird (sp.), 10; Herring Gull, 10; Ring-billed Gull, 436; Mourning Dove, 118; Horned Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 30; Pileated Woodpecker, 7; Red-bellied Woodpecker, 21; Yellow-bellied Sapsucker, 9; Hairy Woodpecker, 6; Downy Woodpecker, 15; Eastern Phoebe, 5; Horned Lark, 1; Blue Jay, 24; Am. Crow, 123; Carolina Chickadee, 63; Tufted Titmouse, 42; White-breasted Nuthatch, 12; Red-breasted Nuthatch, 9; Brown Creeper, 11; **House Wren,** 1 (J.L.D.); Winter Wren, 2; **Bewick's Wren,** 1 (carefully identified—J. L. D.); Carolina Wren, 40; Mockingbird, 31; Am. Robin, 129; Hermit Thrush, 17; Eastern Bluebird, 23; Golden-crowned Kinglet, 21; Ruby-crowned Kinglet, 11; Cedar Waxwing, 11; Loggerhead Shrike, 5; Common Starling, 84; **Orange-**

crowned Warbler, 3 (J. L. D.); Myrtle Warbler, 104; House Sparrow, 246; Eastern Meadowlark, 212; Red-winged Blackbird, 13; Brown-headed Cowbird, 57; Cardinal, 131; **Evening Grosbeak, 1** (J.L.D.); Purple Finch, 29; Am. Goldfinch, 57; Eastern Towhee, 18; Savannah Sparrow, 13; Slate-colored Junco, 197; Am. Tree Sparrow, 2; Field Sparrow, 80; White-throated Sparrow, 289; Fox Sparrow, 13; Swamp Sparrow, 28; Song Sparrow, 119. **Total,** 81 species; about 13,746 individuals.—Mr. and Mrs. J. L. DeLime, F. R. Scott(compiler), R. J. Watson.

162. Lexington, Va. (same area as former years).—Dec. 26; 7 a.m. to 5 p.m. Overcast 6 hours, sunny 4; temp. 33° to 39°; no wind; ground clear, partly frozen, streams and ponds open. Six observers in 3 parties. Total party-hours, 30 (25 on foot, 5 by car); total party-miles, 77 (26 on foot, 51 by car). Great Blue Heron, 1; Mallard, 33; Black Duck, 2; Turkey Vulture, 14; Black Vulture, 8; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Sparrow Hawk, 2; Ruffed Grouse, 1; Bob-white, 15; Killdeer, 12; Wilson's Snipe, 2; Mourning Dove, 84; Barred Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 7; Pileated Woodpecker, 6; Red-bellied Woodpecker, 12; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 7; Downy Woodpecker, 33; Eastern Phoebe, 5; Horned Lark, 55; Blue Jay, 19; Common Raven, 2; Am. Crow, 473; Black-capped Chickadee, 3; Carolina Chickadee, 60; Tufted Titmouse, 43; White-breasted Nuthatch, 22; Brown Creeper, 4; Winter Wren, 2; Carolina Wren, 40; Mockingbird, 67; Am. Robin, 7; Hermit Thrush, 2; Eastern Bluebird, 24; Golden-crowned Kinglet, 11; Cedar Waxwing, 23; Loggerhead Shrike, 4; Common Starling, 7309; Myrtle Warbler, 4; House Sparrow, 371; Eastern Meadowlark, 16; Cardinal, 112; Purple Finch, 43; Am. Goldfinch, 50; Slate-colored Junco, 249; Am. Tree Sparrow, 58; Field Sparrow, 35; White-crowned Sparrow, 11; White-throated Sparrow, 129; Song Sparrow, 50. **Total,** 54 species; about 9552 individuals.—R. P. Carroll, Robert Carroll, Jr., David Foster, Jack Lackmann, J. J. Murray (compiler), Charles Ritchey.

163. Little Creek, Va. (7½-mile radius centering 1½ miles NE of Kempsville, including Lynnhaven Inlet, Little Creek, eastern portion of Norfolk City, Stumpy Lake; open farmland 25%, pine woodland 10%, deciduous woodland 50%, salt marsh, sand beach, bay, rivers 10%, suburbs 5%).—Dec. 31; 7 a.m. to 5:30 p.m. Clear; temp. 22° to 36°; wind SW, 3-18 m.p.h.; 1-in. snow, fresh water frozen, roads clear. Seven observers in 3 parties. Total party-hours, 28 (13 on foot, 15 by car); total party-miles, 194 (9 on foot, 185 by car). Common Loon, 1; Red-throated Loon, 1; Horned Grebe, 43; Pied-billed Grebe, 69; Gannet, 1; Double-crested Cormorant, 7; Great Blue Heron, 16; **Little Blue Heron,** 1 (R.P., M.G.); **Green Heron,** 1 (W.R., F.R.); Black-crowned Night Heron, 3; Canada Goose, 18; Mallard, 12; Black Duck, 78; Gadwall, 1; Pintail, 10; Green-winged Teal, 61; Blue-winged Teal, 2; Wood Duck, 25; Redhead, 6; Ring-necked Duck, 800; Canvas-back, 45; Greater Scaup, 90; Lesser Scaup, 25; Am. Golden-eye, 49; Buffle-head, 264; Old-squaw, 6; White-winged Scoter, 9; Surf Scoter, 7; Am. Scoter, 27; Ruddy Duck, 190; Hooded Merganser, 68; Am. Merganser, 60; Red-breasted Merganser, 142; Turkey Vulture, 21; Black Vulture, 13; Red-tailed Hawk, 3; Red-shouldered Hawk, 8; **Rough-legged Hawk,** 1 (W.R., F.R.); Bald Eagle, 6; Marsh Hawk, 3; Pigeon Hawk, 1; Sparrow Hawk, 52; Bob-white, 12; Clapper Rail, 1; **Florida Gallinule,** 15; Am. Coot, 100; Killdeer, 28; Black-bellied Plover, 3; **Am. Woodcock,** 1 (W.R., F.R.); Greater Yellow-legs, 1; **Purple Sandpiper,** 1; Red-backed Sandpiper, 67; Sanderling, 54; Great Black-backed Gull, 6; Herring Gull, 1500; Ring-billed Gull, 1560; Laughing Gull, 1; Bonaparte's Gull, 253; Mourning Dove, 103; Belted Kingfisher, 6; Yellow-shafted Flicker, 87; Pileated Woodpecker, 10; Red-bellied Woodpecker, 25; Red-headed Woodpecker, 6; Downy Woodpecker, 12; Eastern Phoebe, 4; Horned Lark, 2; Blue Jay, 5; Am. Crow, 119; Fish Crow, 9; Carolina Chickadee, 36; Tufted Titmouse, 9; White-breasted Nuthatch, 1; Brown Creeper, 6; House Wren, 1; Winter Wren, 7; Carolina Wren, 33; Short-billed Marsh Wren, 1; Mockingbird, 54; Brown Thrasher, 18; Am. Robin, 127; Hermit Thrush, 8; Eastern Bluebird, 22; Golden-crowned Kinglet, 38; Ruby-crowned Kinglet, 4; Water Pipit, 3; Cedar Waxwing, 5; Loggerhead Shrike, 1; Common Starling, 650; Myrtle Warbler, 620; Pine Warbler, 2; Palm Warbler, 1; Common Yellowthroat, 3; **Yellow-breasted Chat,** 1 (W.R., F.R.); House Sparrow, 127; Eastern Meadowlark, 308; Red-winged Blackbird, 2280; Rusty Blackbird, 100; Purple Grackle, 202; Brown-headed Cowbird, 7000; Cardinal, 93; Purple Finch, 1; Pine Siskin, 24; Am. Goldfinch, 159; Eastern Towhee, 42; Savannah Sparrow, 49; **Sharp-tailed Sparrow,** 5; **Seaside Sparrow,** 6; Slate-colored Junco, 274; Field Sparrow, 77; White-throated Sparrow, 866; Fox Sparrow, 83; **Lincoln's Sparrow,** 3 (carefully identified—R.P., M.G.); Swamp Sparrow, 104; Song Sparrow, 116. **Total,** 115 species; about 19,807 individuals.—M. T. Griffin, H. Hespenheide, R. H. Peake, Jr., F. C. Richardson, W. F. Rountrey, P. W. Sykes, Jr. (compiler), E. Webster, Jr.

164. Newport News, Va. (7½-mile radius bounded by Chesapeake Bay, Hampton Roads, James River, Grafton; woodland 30%, open fields 30%, fresh-water ponds 10%, waterfront 30%).—Dec. 26; 7 a.m. to 3 p.m. Partly cloudy; temp. 32° to 45°; wind N, 0-20 m.p.h.; ground bare, water open. Nine observers in 4 parties. Total party-hours, 32 (22 on foot, 10 by car); total party-miles, 255 (22 on foot, 233 by car). Horned Grebe, 29; Pied-billed Grebe, 19; Double-crested Cormorant, 2; Great Blue Heron, 15; Mallard, 106; Black Duck, 68; Gadwall, 24; Am. Widgeon, 439; Green-winged Teal, 6; Redhead, 1; Ring-necked Duck, 2; Canvas-back, 1; Lesser Scaup, 167; Am. Golden-eye, 4; Buffle-head, 55; Old-squaw, 10; White-winged Scoter, 15; Surf Scoter, 2; Am. Scoter, 20; Ruddy Duck, 176; Red-breasted Merganser, 10; Turkey Vulture, 34; Black Vulture, 16;

Red-tailed Hawk, 2; Bald Eagle, 2; Marsh Hawk, 2; Pigeon Hawk, 1; Sparrow Hawk, 7; Bob-white, 24; Killdeer, 91; Black-bellied Plover, 2; Wilson's Snipe, 1; Red-backed Sandpiper, 50; Sanderling, 30; Great Black-backed Gull, 3; Herring Gull, 508; Ring-billed Gull, 422; Bonaparte's Gull, 121; Mourning Dove, 43; Belted Kingfisher, 10; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 4; Hairy Woodpecker, 2; Downy Woodpecker, 3; Eastern Phoebe, 2; Tree Swallow, 150; Blue Jay, 3; Am. Crow, 101; Carolina Chickadee, 36; Tufted Titmouse, 23; White-breasted Nuthatch, 4; Brown-headed Nuthatch, 2; Brown Creeper, 1; Winter Wren, 2; Carolina Wren, 20; Short-billed Marsh Wren, 2; Mockingbird, 44; Brown Thrasher, 3; Am. Robin, 362; Eastern Bluebird, 44; Golden-crowned Kinglet, 27; Ruby-crowned Kinglet, 2; Water Pipit, 6; Cedar Waxwing, 63; Loggerhead Shrike, 1; Common Starling, 744; Myrtle Warbler, 277; Pine Warbler, 1; House Sparrow, 63; Eastern Meadowlark, 55; Red-winged Blackbird, 475; Purple Grackle, 18; Cardinal, 26; Pine Siskin, 2; Am. Goldfinch, 122; Eastern Towhee, 17; Ipswich Sparrow, 1; Savannah Sparrow, 6; Slate-colored Junco, 343; Field Sparrow, 36; White-throated Sparrow, 180; Fox Sparrow, 17; Swamp Sparrow, 5; Song Sparrow, 84; Snow Bunting, 15. **Total,** 85 species; about 5940 individuals.—John Grey, C. W. Hacker, M. E. Hathaway, S. C. Mitchell, N. A. Pope, Doris Smith, Sally Mac Smith, W. P. Smith (compiler), R. J. Wicke (Hampton Roads Bird Club).

165. **Norfolk County, Va.** (7½-mile radius centering 6½ miles NE of Wallaceton, including eastern edge of Dismal Swamp, western part of Northwest River, Great Bridge, Butts Station, Fentress, Deep Creek; open farmland 30%, wooded swamp 24%, mixed woodland 30%, deciduous woodland 5%, pine woodland 10%, marsh 1%).—Dec. 28; 7 a.m. to 5 p.m. Clear; temp. 25° to 34°; wind NE, 8-16 m.p.h.; ground bare, water frozen. Five observers in 3 parties. Total party-hours, 31 (9 on foot, 22 by car); total party-miles, 267 (8 on foot, 259 by car). Pied-billed Grebe, 4; Turkey Vulture, 75; Black Vulture, 14; Sharp-shinned Hawk, 3; Cooper's Hawk, 6; Red-tailed Hawk, 3; Red-shouldered Hawk, 14; Marsh Hawk, 7; Sparrow Hawk, 44; Bob-white, 3; King Rail, 1; Killdeer, 30; Herring Gull, 25; Ring-billed Gull, 40; Mourning Dove, 106; Belted Kingfisher, 2; Yellow-shafted Flicker, 78; Pileated Woodpecker, 3; Red-bellied Woodpecker, 22; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 20; Eastern Phoebe, 5; Blue Jay, 22; Am. Crow, 4000; Fish Crow, 22; Carolina Chickadee, 37; Tufted Titmouse, 27; White-breasted Nuthatch, 8; Brown Creeper, 1; House Wren, 7; Winter Wren, 4; Carolina Wren, 38; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 1; Mockingbird, 68; Catbird, 4; Brown Thrasher, 19; Am. Robin, 577; Hermit Thrush, 14; Eastern Bluebird, 17; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 3; Water Pipit, 20; Cedar Waxwing, 23; Loggerhead Shrike, 4; Common Starling, 4000; Myrtle Warbler, 1200; Pine Warbler, 1; Palm Warbler, 7; **Yellow-breasted Chat,** 1 (P.S.); House Sparrow, 109; Eastern Meadowlark, 426; Red-winged Blackbird, **4,000,000**; Rusty Blackbird, 2; Purple Grackle, **4,000,000**; Brown-headed Cowbird, **100,000**; Cardinal, 147; Purple Finch, 7; Pine Siskin, 61; Am. Goldfinch, 473; Eastern Towhee, 311; Savannah Sparrow, 133; Slate-colored Junco, 394; Am. Tree Sparrow, 1; Chipping Sparrow, 2; Field Sparrow, 89; White-throated Sparrow, 2100; Fox Sparrow, 62; **Lincoln's Sparrow,** 2 (R.P., J.W.); Swamp Sparrow, 405; Song Sparrow, 403. **Total,** 72 species; about 8,115,766 individuals. (Blackbirds observed for approximately an hour flying to roost somewhere in the Dismal Swamp.)—M. T. Griffin, R. H. Peake, Jr., W. F. Rountrey, P. W. Sykes, Jr. (compiler), J. R. Withrow.

166. **Shenandoah National Park, Va.** (7½-mile radius centered on Skyland, count started in headquarters area, Route 211 to Panorama, Skyline Drive to Big Meadows, Rapidan Road to Camp Hoover, Redgate Road, Limberlost, Stony Man Mountain; deciduous woods 60%, meadow and shrub 30%, Hemlock woods 5%, pine woods 5%).—Dec. 31; 6:45 a.m. to 5:30 p.m. Partly cloudy to clear; temp. 16° to 30°; wind NW, 4-8 m.p.h. One observer. Total hours, 10¾ (6 on foot, 4¾ by car); total miles, 108 (9 on foot, 99 by car). Turkey Vulture, 3; Black Vulture, 2; Red-tailed Hawk, 2; Sparrow Hawk, 1; Ruffed Grouse, 3; Barred Owl, 1; Yellow-shafted Flicker, 3; Pileated Woodpecker, 1; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 1; Common Raven, 6; Am. Crow, 12; Carolina Chickadee, 7; Tufted Titmouse, 1; Red-breasted Nuthatch, 1; Winter Wren, 1; Am. Robin, 102; Eastern Bluebird, 3; Common Starling, 311; Cardinal, 3; Purple Finch, 15; Pine Siskin, 45; Am. Goldfinch, 10; Slate-colored Junco, 62; White-throated Sparrow, 9. **Total,** 25 species; 606 individuals.—C. Kenny Dale.

167. **Sweet Briar, Va.** (Sweet Briar College property and adjacent area; open fields 30%, scrub 30%, brushy creekbottoms 25%, mixed woodlands 10%, lake edge 5%).—Jan. 1; 7:45 a.m. to 4:45 p.m. Sunny; temp. 28° to 46°; wind NW, 5-10 m.p.h.; ground bare, ponds frozen. Three observers in 1 party. Total party-hours, 8 (6½ on foot, 1½ by car); total party-miles, 14 (8 on foot, 6 by car). Turkey Vulture, 5; Black Vulture, 1; Cooper's Hawk, 1; Killdeer, 2; Wilson's Snipe, 1; Mourning Dove, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 13; Pileated Woodpecker, 1; Red-bellied Woodpecker, 3; Yellow-bellied Sapsucker, 3; Downy Woodpecker, 9; Eastern Phoebe, 3; Am. Crow, 69; Carolina Chickadee, 32; Tufted Titmouse, 18; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 10; Brown Creeper, 3; Carolina Wren, 8; Mockingbird, 18; Am. Robin, 13; Eastern Bluebird, 16; Golden-crowned Kinglet, 4; Cedar Waxwing, 30; Common Starling, 13,027; Myrtle Warbler, 18; House Sparrow, 76; Eastern Meadowlark, 48; Brown-headed Cowbird, 1; Cardinal, 43; Purple Finch, 5; Am. Goldfinch, 59; Eastern Towhee, 2; Savannah Sparrow, 1; Slate-colored Junco, 207; Field Sparrow, 58; **White-crowned Sparrow, 159**; White-throated Sparrow, 110; Song

Sparrow, 67. **Total,** 40 species; about 14,151 individuals.—Bill Chambers, Gertrude Prior, John R. Withrow (compiler).

168. Warren, Va. (same area as last year; open farmland 50%, riverbottom 25%, deciduous woods 15%, pine woods 5%, pond 5%).—Dec. 26; 6 a.m. to 4:45 p.m. Cloudy; temp. 21° to 47°; no wind; pond and James River open. Three observers in 2-3 parties. Total party-hours, 22 (18 on foot, 4 by car); total party-miles, 142 (27 on foot, 115 by car). Mallard, 207; Black Duck, 40; Am. Widgeon, 17; Pintail, 6; Green-winged Teal, 8; **Blue-winged Teal,** 4 (first winter record for county—K.L.); Wood Duck, 2; Redhead, 2; Buffle-head, 2; Ruddy Duck, 1; Hooded Merganser, 4; Turkey Vulture, 37; Black Vulture, 28; Red-tailed Hawk, 2; Red-shouldered Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 6; Bob-white, 8; Am. Coot, 1; Killdeer, 5; Wilson's Snipe, 4; Mourning Dove, 168; Belted Kingfisher, 1; Yellow-shafted Flicker, 12; Pileated Woodpecker, 1; Red-bellied Woodpecker, 21; Yellow-bellied Sapsucker, 3; Downy Woodpecker, 24; Eastern Phoebe, 3; Horned Lark, 39; Blue Jay, 3; Am. Crow, 288; Fish Crow, 1; Carolina Chickadee, 82; Tufted Titmouse, 23; White-breasted Nuthatch, 13; Red-breasted Nuthatch, 2; Brown Creeper, 5; Winter Wren, 10; Carolina Wren, 37; Mockingbird, 55; Am. Robin, 121; Hermit Thrush, 9; Eastern Bluebird, 105; Golden-crowned Kinglet, 31; Ruby-crowned Kinglet, 7; Cedar Waxwing, 38; Loggerhead Shrike, 15; Common Starling, 932; Myrtle Warbler, 83; Pine Warbler, 1; House Sparrow, 40; Eastern Meadowlark, 186; Red-winged Blackbird, **10,251**; Rusty Blackbird, 204; Purple Grackle, 1; Brown-headed Cowbird, 5; Cardinal, 139; Evening Grosbeak, 26; Purple Finch, 24; Pine Siskin, 1; Am. Goldfinch, 170; Slate-colored Junco, 713; Am. Tree Sparrow, 31; Field Sparrow, 71; White-crowned Sparrow, 62; White-throated Sparrow, 255; Swamp Sparrow, 14; Song Sparrow, 181. **Total,** 69 species; about 14,894 individuals.—Kenneth Lawless, William F. Minor, Charles E. Stevens, Jr. (compiler).

169. Charlotte, N. C. (area same as in past 13 years).—Dec. 31; 7:15 a.m. to 5:45 p.m. Clear and dry; temp. 20° to 45°; wind NW, 0-10 m.p.h.; ground clear, light ice on artificial ponds. Nine observers in 3 parties. Total party-hours, 19 (8 on foot, 11 by car); total party-miles, 103 (8 on foot, 95 by car). Pied-billed Grebe, 6; Great Blue Heron, 1; Am. Widgeon, 8; Ring-necked Duck, 10; Buffle-head, 1; Hooded Merganser, 2; Turkey Vulture, 5; Black Vulture, 11; Red-tailed Hawk, 2; Red-shouldered Hawk, 2; Bob-white, 14; Killdeer, 30; Mourning Dove, 129; Belted Kingfisher, 3; Yellow-shafted Flicker, 13; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 1; Downy Woodpecker, 7; Eastern Phoebe, 6; Blue Jay, 30; Am. Crow, 55; Carolina Chickadee, 30; Tufted Titmouse, 38; White-breasted Nuthatch, 2; Brown-headed Nuthatch, 4; Carolina Wren, 8; Mockingbird, 38; Brown Thrasher, 6; Am. Robin, 18; Hermit Thrush, 2; Eastern Bluebird, 58; Golden-crowned Kinglet, 7; Ruby-crowned Kinglet, 13; Cedar Waxwing, 30; Loggerhead Shrike, 13; Common Starling, 310; Myrtle Warbler, 6; Pine Warbler, 16; House Sparrow, 38; Eastern Meadowlark, 73; **Baltimore Oriole,** 2 (at feeder for week); Cardinal, 78; Purple Finch, 74; Pine Siskin, 16; Am. Goldfinch, 72; Eastern Towhee, 24; Slate-colored Junco, 206; Field Sparrow, 97; White-throated Sparrow, 164; Song Sparrow, 28. **Total,** 52 species; about 1822 individuals.—Mrs. B R. Chamberlain, B. R. Chamberlain (compiler), Norman Chamberlain, Mrs. E. O. Clarkson, J. P. Hamilton, Anne Locke, Mr. and Mrs. Joseph R. Norwood, Jr., Mrs. George C. Potter (Mecklenburg Audubon Club).

170. Greensboro, N. C. (7½-mile radius centering ½ mile southwest of transmitter of WBIG; deciduous and pine woods 25%, thickets 15%, fresh-water lakes and ponds 25%, open fields 15%, marsh and wooded swamps 10%, lawns and parks 10%).—Dec. 31; 2 a.m. to 8 p.m. Sunshine most of time; temp. 25° to 43°; wind NW, 10-25 m.p.h.; ponds and lakes at least partly frozen, thin sheet or slush ice. Twenty-four observers in 16 parties. Total party-hours, 100 (60 on foot, 40 by car); total party-miles, 289 (51 on foot, 238 by car). Pied-billed Grebe, 17; Great Blue Heron, 1; **Am. Bittern,** 1; Canada Goose, 120; Mallard, 187; Black Duck, 44; Gadwall, 17; Am. Widgeon, 14; Green-winged Teal, 2; Shoveller, 5; Redhead, 5; Ring-necked Duck, 210; Canvas-back, 57; Lesser Scaup, 15; Am. Golden-eye, 2; Buffle-head, 26; Ruddy Duck, 18; Hooded Merganser, 13; Turkey Vulture, 46; Black Vulture, 9; Sharp-shinned Hawk, 3; Cooper's Hawk, 2; Red-tailed Hawk, 9; Red-shouldered Hawk, 6; Marsh Hawk, 1; Sparrow Hawk, 4; Bob-white, 11; **Ring-necked Pheasant,** 1; Am. Coot, 61; Killdeer, 39; Wilson's Snipe, 1; Mourning Dove, 95; Screech Owl, 3; Barred Owl, 2; Belted Kingfisher, 5; Yellow-shafted Flicker, 47; Red-bellied Woodpecker, 20; Red-headed Woodpecker, 7; Yellow-bellied Sapsucker, 16; Hairy Woodpecker, 9; Downy Woodpecker, 58; Eastern Phoebe, 9; Horned Lark, 128; Blue Jay, 98; Am. Crow, 216; Carolina Chickadee, 151; Tufted Titmouse, 145; White-breasted Nuthatch, 64; Red-breasted Nuthatch, 5; Brown-headed Nuthatch, 16; Brown Creeper, 18; Winter Wren, 5; Carolina Wren, 59; Mockingbird, 112; Brown Thrasher, 4; Am. Robin, 56; Hermit Thrush, 8; Eastern Bluebird, 226; Golden-crowned Kinglet, 27; Ruby-crowned Kinglet, 14; Water Pipit, 40; Cedar Waxwing, 3; Loggerhead Shrike, 8; Common Starling, 3899; **Black-throated Blue Warbler,** 1 (at feeder daily throughout Dec., many observers); Myrtle Warbler, 56; Pine Warbler, 37; House Sparrow, 503; Eastern Meadowlark, 199; Red-winged Blackbird, 20; Rusty Blackbird, 1; Purple Grackle, 101; Brown-headed Cowbird, **200**; Cardinal, 215; Purple Finch, 85; Pine Siskin, 10; Am. Goldfinch, 115; Eastern Towhee, 61; Savannah Sparrow, 2; Slate-colored Junco, 1504; Chipping Sparrow, 6; Field Sparrow, 128; White-throated Sparrow, 536; Fox Sparrow, 14; Swamp Sparrow, 94; Song Sparrow, 228. **Total,** 86 species; about 10,636 individuals.—Mrs. W. C. Carr, Inez Coldwell, Evelyn Cole, Larry

A. Crawford, Jr., G. W. Daniels, Charlotte Dawley, James W. Furr, Bryte Hefner, Mrs. W. S. Holmes, Mrs. R. E. McCoy, James R. Mattocks, H. L. Medford, Ida Mitchell, G. W. Perrett, Etta Schiffman, Mrs. Edith L. Settan, G. A. Smith, Mrs. W. F. Smyre, Thomas E. Street, Hal H. Strickland, Mrs. C. M. Swart, Mrs. W. R. Troxler, Mrs. Margaret Y. Wall, Mrs. R. H. Weisner (Piedmont Bird Club).

171. **Jefferson, N. C.** (same area called Todd last year).—Dec. 29; 7:10 a.m. to 4 p.m. Cloudy, rain a.m.; temp. 30° to 40°; wind NW to SE, 10-15 m.p.h.; ground and streams frozen on Bald Mt. Five observers in 3 parties. Total party-hours, 40 (22 on foot, 8 by car, 10 by jeep); total party-miles, 37 (12 on foot, 8 by car, 17 by jeep). Sharp-shinned Hawk, 1; Red-shouldered Hawk, 1; Sparrow Hawk, 2; Ruffed Grouse, 10; Bob-white, 10; Mourning Dove, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 5; Eastern Phoebe, 11; Horned Lark, 4; Blue Jay, 15; Am. Crow, 45; Carolina Chickadee, 11; Tufted Titmouse, 4; White-breasted Nuthatch, 3; Winter Wren, 2; Carolina Wren, 8; Am. Robin, 2; Eastern Bluebird, 26; Common Starling, 47; House Sparrow, 27; Eastern Meadowlark, 2; Cardinal, 18; Am. Goldfinch, 40; Eastern Towhee, 23; Vesper Sparrow, 2; Slate-colored Junco, **152**; Field Sparrow, 6; White-throated Sparrow, 3; **Fox Sparrow,** 1; Song Sparrow, 16. **Total,** 36 species; 505 individuals. (Seen few miles off area during count period: Screech Owl, Red-bellied Woodpecker.)—Rev. Manuel Foote, Mrs. A. Burman Hurt (compiler), James Miller, Kent Robinson, Wendell P. Smith.

172. **Mattamuskeet National Wildlife Refuge, N. C.** (same area called New Holland in previous counts; 7½-mile radius centering near refuge lodge, including refuge, adjacent woods and fields, public road across lake; open water 40%, marsh 30%, fields and thickets 20%, pine and cypress woods 10%).—Jan. 2; 7 a.m. to 5 p.m. Clear a.m., cloudy p.m.; temp. 25° to 48°; wind N to E, 3-12 m.p.h.; ground clear, water free of ice except small creeks in a.m. Three observers in 1 party. Total party-hours, 10 (6 on foot, 4 by car); total party-miles, 52 (4 on foot, 48 by car). Horned Grebe, 1; Pied-billed Grebe, 25; Great Blue Heron, 25; American Egret, **400**; **Snowy Egret,** 1; **Little Blue Heron,** 5; **Yellow-crowned Night Heron,** 1; Black-crowned Night Heron, 200; Whistling Swan, 2000; Canada Goose, 60,000; Blue Goose, 4; Mallard, 6000; Black Duck, **10,000**; Gadwall, **3000**; Am. Widgeon, 500; Pintail, **35,000**; Green-winged Teal, **3000**; Shoveller, 1000; Wood Duck, **350**; Ring-necked Duck, **1000**; **Greater Scaup,** 1; Lesser Scaup, 2500; Ruddy Duck, **2000**; Hooded Merganser, 9; Turkey Vulture, 50; Black Vulture, 2; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Bald Eagle, **36**; Marsh Hawk, 5; Sparrow Hawk, 7; Bob-white, 25; Am. Coot, 200; Florida Gallinule, 5; Killdeer, 40; Wilson's Snipe, 3; Greater Yellowlegs, 3; Herring Gull, 25; Ring-billed Gull, 100; Mourning Dove, 20; Belted Kingfisher, 3; Yellow-shafted Flicker, 15; Pileated Woodpecker, 1; Red-bellied Woodpecker, 2; Downy Woodpecker, 5; Eastern Phoebe, 1; Am. Crow, 50; Fish Crow, 200; Carolina Chickadee, 6; Carolina Wren, 4; Long-billed Marsh Wren, 3; Mockingbird, 10; Catbird, 2; Brown Thrasher, 2; Am. Robin, 250; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 1; Common Starling, 200; Myrtle Warbler, 750; Pine Warbler, 1; Palm Warbler, 15; Common Yellowthroat, 1; House Sparrow, 35; Eastern Meadowlark, 20; Red-winged Blackbird, 750; Rusty Blackbird, 4; Purple Grackle, 6; Brown-headed Cowbird, 1000; Cardinal, 25; Am. Goldfinch, 8; Eastern Towhee, 4; Savannah Sparrow, 75; Field Sparrow, 6; White-throated Sparrow, 50; Fox Sparrow, 2; Swamp Sparrow, 12; Song Sparrow, 80. **Total,** 78 species; about 131,150 individuals. (Marked increase in duck population due to remarkable job in removing Carp from lake by Refuge Manager, W. A. Cahoon.)—W. A. Cahoon, Larry A. Crawford, Jr. (compiler), Robert L. Wolff.

173. **Mt. Olive, N. C.** (Wooten, Williams and Brandon farms, Jones' Mill, Seven Springs; open fields 50%, pine woods 10%, mixed pine and deciduous woods 35%, small ponds 5%).—Jan. 2; 6:30 a.m. to 5 p.m. Clear; temp. 30° to 54°; wind E, 0-5 m.p.h.; ground and pond edges frozen in a.m. One observer. Total hours, 10½ (9 on foot, 1½ by car); total miles, 60 (10 on foot, 50 by car). Pied-billed Grebe, 2; Great Blue Heron, 1; Mallard, 1; Pintail, 1; Ring-necked Duck, 21; Turkey Vulture, 4; Black Vulture, 2; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Sparrow Hawk, 7; Bob-white, 1; Killdeer, 19; Mourning Dove, 114; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 18; Pileated Woodpecker, 3; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 1; Downy Woodpecker, 6; Red-cockaded Woodpecker, 1; Eastern Phoebe, 9; Blue Jay, 9; Am. Crow, 17; Carolina Chickadee, 16; Tufted Titmouse, 25; White-breasted Nuthatch, 3; Brown-headed Nuthatch, 2; Brown Creeper, 5; Winter Wren, 3; Carolina Wren, 7; Mockingbird, 10; Catbird, 1; Brown Thrasher, 3; Am. Robin, 42; Hermit Thrush, 8; Eastern Bluebird, 22; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 12; Water Pipit, 71; Cedar Waxwing, 2; Loggerhead Shrike, 8; Common Starling, 150; Myrtle Warbler, 124; Pine Warbler, 2; Palm Warbler, 1; Common Yellowthroat, 2; House Sparrow, 350; Eastern Meadowlark, 265; Red-winged Blackbird, 580; Rusty Blackbird, 64; Baltimore Oriole, 3 [no details—Ed.]; Cardinal, 10; Am. Goldfinch, 15; Eastern Towhee, 32; Savannah Sparrow, 18; Vesper Sparrow, 2; Slate-colored Junco, 320; Chipping Sparrow, 3; Field Sparrow, 160; White-throated Sparrow, 300; Fox Sparrow, 3; Swamp Sparrow, 12; Song Sparrow, 165. **Total,** 68 species; about 3085 individuals.—Bob Holmes.

174. **New London, N. C.** (7½-mile radius, center 2 miles northwest of Badin, including High Rock Lake, Yadkin River, Badin Lake, Morrow Mountain State Park, Albemarle City Reservoir, Albemarle,

Badin and New London; mixed deciduous woodland 25%, open fields and farmland 27%; fresh-water pond and lake shores 25%, lakes and rivers 15%, marsh 3%, pine woods 2%, town suburbs 3%).—Dec. 30; 6:30 a.m. to 6 p.m.; temp. 28° to 44°; wind SSW, 10 m.p.h.; foggy and overcast early morn, rain from 9:30 a.m. to 1 p.m., clear late afternoon. Eleven observers in 3 parties. Total party-hours, 26 (10 on foot, 16 by car); total party-miles, 192 (15 on foot, 177 by car). Great Blue Heron, 3; Canada Goose, 3; Mallard, 104; Black Duck, 3; Gadwall, 1; Lesser Scaup, 1; Turkey Vulture, 8; Black Vulture, 4; Sharp-shinned Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 9; Bob-white, 8; Killdeer, 24; Herring Gull, 8; Ring-billed Gull, 63; Mourning Dove, 11; Barred Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 3; Downy Woodpecker, 5; Eastern Phoebe, 5; Blue Jay, 15; Am. Crow, 52; Carolina Chickadee, 42; Tufted Titmouse, 15; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 3; Brown-headed Nuthatch, 1; Brown Creeper, 2; Carolina Wren, 20; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 1; Mockingbird, 34; Brown Thrasher, 2; Am. Robin, 14; Hermit Thrush, 2; Eastern Bluebird, 47; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 2; Water Pipit, 150; Loggerhead Shrike, 13; Common Starling, 35; Myrtle Warbler, 1; Pine Warbler, 2; House Sparrow, 62; Eastern Meadowlark, 150; Red-winged Blackbird, 1; Cardinal, 109; **Evening Grosbeak, 5**; Purple Finch, 27; Am. Goldfinch, 117; Eastern Towhee, 8; Savannah Sparrow, 1; Vesper Sparrow, 3; Slate-colored Junco, 300; Field Sparrow, 59; White-throated Sparrow, 165; Fox Sparrow, 1; Swamp Sparrow, 4; Song Sparrow, 25. **Total,** 64 species; about 1784 individuals. (Seen in area count week: Hairy Woodpecker.)—Keith Byrd, John Trott (compiler), Mrs. John Whitlock, Anne Whitlock and 7 students of New London School.

175. **North Wilkesboro–Moravian Falls, N. C.** (portions of Reddies and Yadkin River Valleys and Moravian Creek Valley).—Jan. 1; 7 to 12 a.m. and 2 to 5 p.m.; temp. 19° to 55°; wind S, 2-15 m.p.h. Three observers in 1 party. Total hours, 8 (6 on foot, 2 by car); total miles, 20 (3 on foot, 17 by car). Turkey Vulture, 1; Bob-white, 6; Am. Woodcock, 1; Mourning Dove, 45; Barred Owl, 1; Pileated Woodpecker, 2; Hairy Woodpecker, 4; Downy Woodpecker, 5; Eastern Phoebe, 1; Blue Jay, 16; Am. Crow, 29; Carolina Chickadee, 27; Tufted Titmouse, 24; White-breasted Nuthatch, 4; Winter Wren, 2; Carolina Wren, 14; Mockingbird, 2; Am. Robin, 1; Hermit Thrush, 8; Eastern Bluebird, 35; Ruby-crowned Kinglet, 2; Loggerhead Shrike, 1; Common Starling, 8; Myrtle Warbler, 4; House Sparrow, 18; Eastern Meadowlark, 37; Cardinal, 24; Purple Finch, 4; Am. Goldfinch, 33; Eastern Towhee, 13; Slate-colored Junco, 32; Field Sparrow, 30; White-throated Sparrow, 94; Fox Sparrow, 9; Song Sparrow, 51. **Total,** 35 species; 588 individuals.—June Kay Church, Mrs. Louise P. Smith, Louise P. Smith, Jr., Wendell P. Smith (compiler).

176. **Raleigh, N. C.** (same area as previous counts; lakes and small ponds 25%, mixed pine and deciduous woodland 40%, deciduous woodland 20%, open fields 15%).—Dec. 27; 7:30 a.m. to 5:30 p.m.; temp. 30° to 45°; wind NE, 6-0 m.p.h.; ground bare, water open. Seven observers in 5 parties. Total party-hours, 48 (42 on foot, 6 by car); total party-miles, 48 (28 on foot, 20 by car). Pied-billed Grebe, 22; Great Blue Heron, 3; Mallard, 24; Black Duck, 12; Gadwall, 15; Am. Widgeon, 38; Ring-necked Duck, 52; Canvas-back, 2; Buffle-head, 2; Ruddy Duck, 4; Turkey Vulture, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 2; Red-shouldered Hawk, 4; Sparrow Hawk, 8; Am. Coot, 20; Killdeer, 10; Mourning Dove, 160; Belted Kingfisher, 5; Yellow-shafted Flicker, 18; Red-bellied Woodpecker, 10; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 3; Downy Woodpecker, 14; Eastern Phoebe, 1; Blue Jay, 92; Am. Crow, 24; Carolina Chickadee, 23; Tufted Titmouse, 22; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 3; Brown-headed Nuthatch, 12; Brown Creeper, 4; Winter Wren, 3; Carolina Wren, 21; Mockingbird, 49; Catbird, 1; Brown Thrasher, 4; Hermit Thrush, 5; Eastern Bluebird, 42; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 9; Loggerhead Shrike, 13; Common Starling, 610; Myrtle Warbler, 9; Pine Warbler, 9; House Sparrow, 177; Eastern Meadowlark, 161; Cardinal, 72; Purple Finch, 6; Am. Goldfinch, 16; Eastern Towhee, 21; Savannah Sparrow, 14; Slate-colored Junco, 299; Field Sparrow, 77; White-throated Sparrow, 123; Fox Sparrow, 7; Swamp Sparrow, 15; Song Sparrow, 39. **Total,** 61 species; about 2442 individuals.—Philip Davis, Mrs. Charlotte H. Green, James F. Green, J. W. Johnson, Robert Overing, Mrs. D. L. Wray, D. L. Wray (compiler).

177. **Wilmington, N. C.** (7½-mile radius centering on Monkey Junction on Carolina Beach Road, including Wrightsville Beach and Sound, Masonboro and Greenville Sounds, Winter Park; Orton, Pleasant Oaks and Clarendon Plantations; Cape Fear River and Greenfield Lake; mixed pine and deciduous woodland 60%, fresh-water ponds and river 15%, beach and salt-water marsh 20%, pasture 5%).—Dec. 28; 6:30 a.m. to 5:30 p.m. Clear; temp. 23° to 44°; wind NNE, average 14½ m.p.h.; ground bare, shallow water frozen all day. Eighteen observers in 8 parties. Total party-hours, 76 (39 on foot, 37 by car); total party-miles, 335 (50 on foot, 285 by car). Common Loon, 9; Red-throated Loon, 2; Horned Grebe, 11; Pied-billed Grebe, 91; Gannet, 72; Double-crested Cormorant, 3; Water-turkey, 2; Great Blue Heron, 14; Am. Egret, 7; Snowy Egret, 1; Louisiana Heron, 56; Little Blue Heron, 16; Green Heron, 1; Black-crowned Night Heron, 5; **Yellow-crowned Night Heron,** 2; Am. Bittern, 2; Canada Goose, 41; Mallard, 521; Black Duck, 31; Gadwall, 123; Am. Widgeon, 82; Pintail, 157; Green-winged Teal, 707; Blue-winged Teal, 3; Shoveller, 11; Wood Duck, 5; Redhead, 2; Ring-necked Duck, 113; Canvas-back, 3; Greater Scaup, 7; Lesser Scaup, 25; Am. Golden-eye, 4; Buffle-head, 54; Old-

squaw, 4; Ruddy Duck, 35; Hooded Merganser, 38; Red-breasted Merganser, 30; Turkey Vulture, 6; Black Vulture, 8; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Bald Eagle, 2; Marsh Hawk, 12; Osprey, 1; Sparrow Hawk, 9; Bob-white, 3; King Rail, 2; Clapper Rail, 10; Florida Gallinule, 1; Am. Coot, 550; Am. Oyster-catcher, 6; Piping Plover, 2; Killdeer, 108; Black-bellied Plover, 57; Am. Woodcock, 1; Wilson's Snipe, 7; Willet, 8; Greater Yellow-legs, 40; Lesser Yellow-legs, 7; Red-backed Sandpiper, 433; Dowitcher, 20; Semipalmated Sandpiper, 9; Sanderling, 42; **Great Black-backed Gull,** 1 (R.H.); Herring Gull, 534; Ring-billed Gull, 370; Laughing Gull, 17; Bonaparte's Gull, 7; Forster's Tern, 44; Royal Tern, 40; Black Skimmer, 160; Mourning Dove, 214; Horned Owl, 2; Barred Owl, 1; Belted Kingfisher, 29; Yellow-shafted Flicker, 74; Pileated Woodpecker, 4; Red-bellied Woodpecker, 13; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 10; Hairy Woodpecker, 1; Downy Woodpecker, 11; Red-cockaded Woodpecker, 5; Eastern Phoebe, 34; Blue Jay, 67; Am. Crow, 26; Fish Crow, 4; Carolina Chickadee, 35; Tufted Titmouse, 58; Red-breasted Nuthatch, 5; Brown-headed Nuthatch, 22; Brown Creeper, 2; House Wren, 5; Winter Wren, 11; Carolina Wren, 17; Short-billed Marsh Wren, 1; Mockingbird, 80; Catbird, 7; Brown Thrasher, 26; Am. Robin, 218; Hermit Thrush, 28; Eastern Bluebird, 84; Blue-gray Gnatcatcher, 13; Golden-crowned Kinglet, 30; Ruby-crowned Kinglet, 35; Water Pipit, 120; Cedar Waxwing, 78; Loggerhead Shrike, 18; Common Starling, 233; Solitary Vireo, 6; Myrtle Warbler, 108; **Yellow-throated Warbler,** 1 (B.J.); Pine Warbler, 27; Palm Warbler, 36; Common Yellowthroat, 4; House Sparrow, 94; Eastern Meadowlark, 403; Red-winged Blackbird, 999; Boat-tailed Grackle, 17; Purple Grackle, 10; Brown-headed Cowbird, 5; Cardinal, 97; Purple Finch, 147; Pine Siskin, 27; Am. Goldfinch, 62; Eastern Towhee, 190 (1 White-eyed); **Ipswich Sparrow,** 1 (E.A.); Savannah Sparrow, 58; **Henslow's Sparrow,** 3 (P.M.); Sharp-tailed Sparrow, 1; Seaside Sparrow, 1; Vesper Sparrow, 57; Slate-colored Junco, 262; Chipping Sparrow, 159; Field Sparrow, 53; White-throated Sparrow, 659; Fox Sparrow, 76; Swamp Sparrow, 28; Song Sparrow, 160. **Total,** 141 species (1 additional subspecies); about 10,188 individuals. (Seen in area count week: Least Sandpiper, Purple Sandpiper, Surf Scoter, Screech Owl.)—Edna Appleberry (compiler), Cecil Appleberry, Mary Baker, Clifford Comeau, Bob Holmes, Bill James, Howard Langridge, Polly Mebane, Roxanna Mebane, Russel Paris, J. L. Sprunt, Jr., June Sprunt, Matt Thompson, Sue Thompson, Mary Urich, Mike Vaughan, Adelaide Walters, Hal Walters (Wilmington Natural Science Club and guests).

178. **Winston-Salem, N. C.** (same area as last year excluding Yadkin River; pasture 5%, deciduous forests 20%, evergreen forests 15%, old fields 20%, lakes and creekbottoms 20%, suburbs 20%).—Dec. 26; 7 a.m. to 6 p.m. Mostly cloudy; temp. 34° to 52°; wind NE, 0-10 m.p.h. Seven observers in 4 parties. Total party-hours, 35 (24 on foot, 11 by car); total party-miles, 54 (24 on foot, 30 by car). Pied-billed Grebe, 3; Great Blue Heron, 3; Mallard, 70; Black Duck, 32; Gadwall, 10; Green-winged Teal, 1; Ring-necked Duck, 15; Buffle-head, 2; Hooded Merganser, 1; Turkey Vulture, 14; Marsh Hawk, 1; Sparrow Hawk, 4; Killdeer, 31; Mourning Dove, 101; Belted Kingfisher, 1; Yellow-shafted Flicker, 7; Red-bellied Woodpecker, 2; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 2; Downy Woodpecker, 8; Eastern Phoebe, 1; Horned Lark, 1; Blue Jay, 36; Am. Crow, 47; Carolina Chickadee, 39; Tufted Titmouse, 26; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 2; Brown Creeper, 3; Carolina Wren, 20; Mockingbird, 60; Am. Robin, 41; Hermit Thrush, 3; Eastern Bluebird, 90; Golden-crowned Kinglet, 34; Ruby-crowned Kinglet, 2; Cedar Waxwing, 110; Loggerhead Shrike, 10; Common Starling, 500; Myrtle Warbler, 14; Pine Warbler, 2; House Sparrow, 30; Eastern Meadowlark, 59; Cardinal, 102; Purple Finch, 15; Pine Siskin, 4; Am. Goldfinch, 40; Eastern Towhee, 7; Slate-colored Junco, 500; Field Sparrow, 40; White-crowned Sparrow, 19; White-throated Sparrow, 250; Fox Sparrow, 1; Swamp Sparrow, 5; Song Sparrow, 100. **Total,** 55 species; about 2536 individuals.—Charles M. Frost, Thomas W. Simpson, Mrs. Thomas W. Simpson, Lucia E. Simpson, Merrill P. Spencer, Mrs. Merrill P. Spencer, Robert H. Witherington (compiler).

179. **Aiken, S. C.** (same area as 1953; 6-mile radius centered on Aiken Training Track; pasture, plowed, and abandoned fields 28%, pine and hardwood forest 26%, swamps and ponds 25%, burned-over woods 9%, suburbs 7%, farmland 5%).—Dec. 25; 6:15 a.m. to 12:45 p.m. and 2:20 p.m. to 6 p.m. Clear, temp. 54° to 78°; wind SW, 3-10 m.p.h. Three observers in 1-2 parties. Total party-hours, 13 (11 on foot, 2 by car); total party-miles, 112 (9 on foot, 103 by car). Pied-billed Grebe, 3; Great Blue Heron, 1; Lesser Scaup, 4; Buffle-head, 1; Turkey Vulture, 18; Black Vulture, 2; Cooper's Hawk, 1; Sparrow Hawk, 5; Am. Coot, 1; Killdeer, 142; Wilson's Snipe, 1; Mourning Dove, 3; Screech Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 12; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 4; Downy Woodpecker, 2; Red-cockaded Woodpecker, 5; Eastern Phoebe, 3; Blue Jay, 25; Am. Crow, 8; Carolina Chickadee, 8; Tufted Titmouse, 12; White-breasted Nuthatch, 2; **Red-breasted Nuthatch,** 2; Brown-headed Nuthatch, 30; Carolina Wren, 14; Mockingbird, 9; Brown Thrasher, 7; Am. Robin, 12; Hermit Thrush, 8; Eastern Bluebird, 5; Golden-crowned Kinglet, 16; Ruby-crowned Kinglet, 19; Water Pipit, 5; Cedar Waxwing, 38; Loggerhead Shrike, 5; Common Starling, 6041; Myrtle Warbler, 13; Pine Warbler, 17; Palm Warbler, 2; Common Yellowthroat, 3; House Sparrow, 37; Eastern Meadowlark, 9; Red-winged Blackbird, 2083; Rusty Blackbird, 5; Purple Grackle, 500; Brown-headed Cowbird, 600; Cardinal, 20; Purple Finch, 15; Pine Siskin, 1; Am. Goldfinch, 21; Eastern Towhee, 18; Savannah Sparrow, 10; Slate-colored

Junco, 174; Chipping Sparrow, 47; Field Sparrow, 29; White-throated Sparrow, 141; Fox Sparrow, 1; Swamp Sparrow, 6; Song Sparrow, 9. **Total,** 63 species; about 10,244 individuals.—Dr. and Mrs. Robert A. Norris, William Post, Jr. (compiler).

180. Charleston, S. C. (Bull's Island, adjacent marshes, waterways, mainland northwestward across Wando River into Berkeley County; same area as preceding years).—Dec. 29; 7 a.m. to 5:30 p.m. Cloudy; temp. 33° to 48°; wind N to NNE, 4-10 m.p.h.; swamps and ponds very low or dry. Twenty observers in 6 parties. Total party-hours, 52 (44 on foot, 6 by car, 2 by boat); total party-miles, 150 (34 on foot, 109 by car, 7 by boat). Common Loon, 2; Horned Grebe, 25; Pied-billed Grebe, 23; Gannet, 2; Double-crested Cormorant, 16; Great Blue Heron, 19; Am. Egret, 2; Snowy Egret, 1; Louisiana Heron, 24; Little Blue Heron, 15; Black-crowned Night Heron, 1; Am. Bittern, 1; Mallard, 33; Black Duck, 57; Gadwall, 19; Am. Widgeon, 3; Pintail, 16; Green-winged Teal, 16; Blue-winged Teal, 10; Shoveller, 8; Wood Duck, 4; Redhead, 2; Ring-necked Duck, 106; Canvas-back, 3; Lesser Scaup, 13; Am. Golden-eye, 5; Buffle-head, 24; Am. Scoter, 1; Ruddy Duck, 4; Hooded Merganser, 5; Red-breasted Merganser, 31; Turkey Vulture, 18; Black Vulture, 25; Cooper's Hawk, 2; Red-shouldered Hawk, 2; Bald Eagle, 1; Marsh Hawk, 11; Pigeon Hawk, 1; Sparrow Hawk, 9; Turkey, 1; Clapper Rail, 3; Am. Coot, 17; Am. Oyster-catcher, 15; Piping Plover, 1; Ringed Plover, 11; Killdeer, 12; Black-bellied Plover, 12; Ruddy Turnstone, 9; Wilson's Snipe, 1; Spotted Sandpiper, 5; Willet, 3; Greater Yellow-legs, 20; Lesser Yellow-legs, 4; Least Sandpiper, 23; Red-backed Sandpiper, 110; Dowitcher, 3; Western Sandpiper, 4; Sanderling, 25; **Great Black-backed Gull,** 1 (J.H.D.); Herring Gull, 6; Ring-billed Gull, 57; Forster's Tern, 1; Mourning Dove, 71; Ground Dove, 1; Horned Owl, 1; Barred Owl, 2; Belted Kingfisher, 16; Yellow-shafted Flicker, 58; Pileated Woodpecker, 25; Red-bellied Woodpecker, 50; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 45; Hairy Woodpecker, 7; Downy Woodpecker, 33; Red-cockaded Woodpecker, 1; Eastern Phoebe, 17; **Vermilion Flycatcher,** 1 (brilliant male—A.M.W., J.H.); Blue Jay, 42; Am. Crow, 112; Fish Crow, 12; Carolina Chickadee, 68; Tufted Titmouse, 38; White-breasted Nuthatch, 6; Brown-headed Nuthatch, 28; Brown Creeper, 4; House Wren, 5; Winter Wren, 3; Carolina Wren, 35; Short-billed Marsh Wren, 1; Mockingbird, 39; Catbird, 9; Brown Thrasher, 17; Am. Robin, 434; Hermit Thrush, 37; Eastern Bluebird, 34; Golden-crowned Kinglet, 22; Ruby-crowned Kinglet, 128; Water Pipit, 57; Cedar Waxwing, 132; Loggerhead Shrike, 16; Common Starling, 20; White-eyed Vireo, 11; Solitary Vireo, 2; Orange-crowned Warbler, 4; **Magnolia Warbler,** 1 (E.A.C.—carefully identified, latest prior date Nov. 12); Myrtle Warbler, 720; Pine Warbler, 18; **Prairie Warbler,** 1 (E.A.C.); Palm Warbler, 1; **Louisiana Water-thrush,** 1 (E.A.C.); Common Yellowthroat, 6; House Sparrow, 10; Eastern Meadowlark, 165; Red-winged Blackbird, 1215; Rusty Blackbird, 100; Boat-tailed Grackle, 14; Purple Grackle, 2; Brown-headed Cowbird, 2; Cardinal, 44; Purple Finch, 99; Am. Goldfinch, 51; Eastern Towhee, 159; Savannah Sparrow, 8; Sharp-tailed Sparrow, 13; Seaside Sparrow, 6; Vesper Sparrow, 28; Slate-colored Junco, 253; Chipping Sparrow, 18; Field Sparrow, 12; White-throated Sparrow, 595; Fox Sparrow, 25; Swamp Sparrow, 128; Song Sparrow, 94. **Total,** 133 species (1 additional subspecies); more than 6340 individuals. [Vermilion Flycatcher, a "first" for South Carolina, was subsequently collected.] (In area during period: Laughing Gull, Marbled Godwit, Red-tailed Hawk, Bob-white, Tree Swallow.)—Alston Badger, Mrs. Louise Barrington, E. B. Chamberlain (compiler), Mr. and Mrs. R. H. Coleman, E. A. Cutts, Mr. and Mrs. Walter Dahn, J. H. Dick, Mr. and Mrs. Robert Edwards, Julian Harrison, I. S. Metcalf, Sr., I. S. H. Metcalf, John Quinby, Arthur Ravenel, Jr., Alexander Sprunt, Jr., Mr. and Mrs. A. M. Wilcox, E. A. Williams (members and guests, Charleston Natural History Society).

181. Columbia, S. C. (same general area as preceding years, except Congaree Creek area omitted; deciduous river and creek swamps 23%, pine woods 20%, open fields 27%, lake shores 15%, urban 15%).—Dec. 26; 6:45 a.m. to 5:15 p.m. Clear to overcast; temp. 48° to 60°; Wind N, 0-9 m.p.h. Eight observers in 4 parties. Total party-hours. 34 (25 on foot, 9 by car); total party-miles, 74 (12 on foot, 62 by car). Pied-billed Grebe, 6; Great Blue Heron, 1; Mallard, 6; Ring-necked Duck, 10; Turkey Vulture, 9; Black Vulture, 17; Red-tailed Hawk, 4; Red-shouldered Hawk, 2; Marsh Hawk, 4; Sparrow Hawk, 9; Bob-white, 8; Am. Coot, 4; Killdeer, 10; Ring-billed Gull, 1; Mourning Dove, 18; **Yellow-billed Cuckoo,** 1 (carefully studied—Mrs. S. H.); Belted Kingfisher, 3; Yellow-shafted Flicker, 18; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 3; Eastern Phoebe, 6; Blue Jay, 40; Am. Crow, 38; Carolina Chickadee, 22; Tufted Titmouse, 22; White-breasted Nuthatch, 3; Brown-headed Nuthatch, 9; Brown Creeper, 7; House Wren, 1; Winter Wren, 2; Carolina Wren, 25; Mockingbird, 23; Catbird, 3; Brown Thrasher, 25; Am. Robin, 309; Hermit Thrush, 13; Eastern Bluebird, 141; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 48; Water Pipit, 3; Cedar Waxwing, 27; Loggerhead Shrike, 7; Common Starling, 571; Myrtle Warbler, 36; Pine Warbler, 33; House Sparrow, 306; Eastern Meadowlark, 129; Red-winged Blackbird, 4; Rusty Blackbird, 238; Purple Grackle, 28; Cardinal, 79; Purple Finch, 2; Am. Goldfinch, 61; Eastern Towhee, 83; Vesper Sparrow, 7; Slate-colored Junco, 148; Chipping Sparrow, 164; Field Sparrow, 166; White-throated Sparrow, 536; Fox Sparrow, 1; Swamp Sparrow, 6; Song Sparrow, 43. **Total,** 64 species; about 3569 individuals.—Mr. and Mrs. S. E. Hartin, Mr. and Mrs. P. B. Hendrix, Ebba Van, David Monteith, Gilbert J. Bristow (compiler). Charles I. Simmons.

182. Eastover, S. C. (same area as preceding years; whole area with exception of large ponds very

dry).—Jan. 2; 7 a.m. to dark. Fair; temp. 23° to 65°; wind gentle, variable. Two observers in 1 party. Total party-hours, 9 (2 on foot, 7 by car); total party-miles, 25 (1 on foot, 24 by car). Pied-billed Grebe, 3; Water-turkey, 1; Black Duck, 2; Wood Duck, 13; Ring-necked Duck, 4; Canvas-back, 1; Turkey Vulture, 1; Black Vulture, 15; Red-shouldered Hawk, 1; Sparrow Hawk, 6; Killdeer, 19; Wilson's Snipe, 10; Mourning Dove, 5; Yellow-shafted Flicker, 13; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 3; Eastern Phoebe, 10; Blue Jay, 13; Am. Crow, 22; Carolina Chickadee, 8; Tufted Titmouse, 12; Brown-headed Nuthatch, 2; Winter Wren, 2; Carolina Wren, 3; Mockingbird, 8; Brown Thrasher, 2; Am. Robin, 5; Hermit Thrush, 2; Eastern Bluebird, 34; Ruby-crowned Kinglet, 11; Water Pipit, 78; Cedar Waxwing, 9; Loggerhead Shrike, 9; Common Starling, 257; Myrtle Warbler, 5; Pine Warbler, 5; Common Yellowthroat, 2; House Sparrow, 99; Eastern Meadowlark, 66; Red-winged Blackbird, 150; Rusty Blackbird, 27; Cardinal, 26; Am. Goldfinch, 8; Eastern Towhee, 2; Savannah Sparrow, 20; Vesper Sparrow, 6; Slate-colored Junco, 71; Chipping Sparrow, 5; Field Sparrow, 3; White-throated Sparrow, 38; Swamp Sparrow, 7; Song Sparrow, 3. **Total,** 55 species; about 1134 individuals. —Mrs. William H. Favor (compiler), Mrs. Clyde Sisson.

183. Spartanburg, S. C. (7½-mile radius centering on Main Street; same area as past several years, except Lake Edwin Johnson in Camp Croft State Park; open fields 10%, town suburbs 25%, mixed woodlands 25%, lakes and marshes 40%).—Jan. 2; 7 a.m. to 5 p.m.; ground frozen but dry; temp. 28° to 50°; wind SW, 5-7 m.p.h. Nine observers in 3 parties. Total party-hours, 17 (13 on foot, 4 by car); total party-miles, 35 (7 on foot, 28 by car). Pied-billed Grebe, 9; Great Blue Heron, 2; Canada Goose, 8; Mallard, 20; Black Duck, 8; Pintail, 1; Ring-necked Duck, 50; Canvas-back, 3; Lesser Scaup, 30; Turkey Vulture, 19; Black Vulture, 35; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 1; Bob-white, 9; Killdeer, 29; Mourning Dove, 56; Belted Kingfisher, 1; Yellow-shafted Flicker, 15; Pileated Woodpecker, 1; Red-bellied Woodpecker, 11; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 5; Downy Woodpecker, 9; Eastern Phoebe, 1; Blue Jay, 64; Am. Crow, 156; Carolina Chickadee, 21; Tufted Titmouse, 18; White-breasted Nuthatch, 1; Brown-headed Nuthatch, 2; Brown Creeper, 1; Carolina Wren, 23; Mockingbird, 28; Brown Thrasher, 6; Am. Robin, 32; Hermit Thrush, 2; Eastern Bluebird, 58; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 12; Water Pipit, 5; Cedar Waxwing, 8; Loggerhead Shrike, 12; Common Starling, 750; Myrtle Warbler, 22; Pine Warbler, 5; Palm Warbler, 1; House Sparrow, 72; Eastern Meadowlark, 99; Red-winged Blackbird, 18; Cardinal, 103; Purple Finch, 59; Am. Goldfinch, 170; Eastern Towhee, 48; Savannah Sparrow, 7; Slate-colored Junco, 64; Field Sparrow, 29; White-crowned Sparrow, 6; White-throated Sparrow, 133; Fox Sparrow, 26 (singing); Swamp Sparrow, 4; Song Sparrow, 61. **Total,** 63 species; about 2454 individuals. —Gabriel Cannon, Louisa Carlisle, Harold Correll, Ruth Crick (compiler), Paul Crosby, Margaret Hammond, Mrs. J. E. Spivey, Dr. and Mrs. John O. Watkins.

184. Atlanta, Ga. (same area as previous years; fields and pastures 20%, ponds and streams 20%, parks 10%, mixed woods 35%, marsh 5%, residential 5%, roadside 5%).—Dec. 26; 7 a.m. to 6 p.m.; temp. 47° to 58°; wind variable, 0-15 m.p.h.; morning bright, afternoon cloudy. Thirty-two observers in 15 parties. Total party-hours, 82 (65 on foot, 17 by car); total party-miles, 261 (49 on foot, 212 by car). Pied-billed Grebe, 36; Mallard, 1; **Redhead,** 2; Ring-necked Duck, 12; Lesser Scaup, 1; **Buffle-head,** 1; Turkey Vulture, 10; Black Vulture, 3; Sharp-shinned Hawk, 1; Cooper's Hawk, 5; **Red-tailed Hawk,** 6 (1 very dark); **Harlan's Hawk,** 1 (W.W.G., N.G.; 3 previous local records); Red-shouldered Hawk, 7; Marsh Hawk, 2; Sparrow Hawk, 8; Bob-white, 40; Am. Coot, 19; Killdeer, 169; Wilson's Snipe, 3; Mourning Dove, 59; **Horned Owl,** 1; Barred Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 38; Pileated Woodpecker, 6; Red-bellied Woodpecker, 17; Red-headed Woodpecker, 7; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 4; Downy Woodpecker, 13; Eastern Phoebe, 6; **Horned Lark,** 12; Blue Jay, 227; Am. Crow, 315; Carolina Chickadee, 121; Tufted Titmouse, 78; White-breasted Nuthatch, 21; Brown-headed Nuthatch, 6; Brown Creeper, 5; Winter Wren, 5; Bewick's Wren, 1; Carolina Wren, 81; Mockingbird, 75; Brown Thrasher, 23; Am. Robin, 221; Hermit Thrush, 14; Eastern Bluebird, 75; Golden-crowned Kinglet, 56; Ruby-crowned Kinglet, 37; Water Pipit, 150; Cedar Waxwing, 16; Loggerhead Shrike, 5; Common Starling, 7700; Myrtle Warbler, 17; Pine Warbler, 7; Palm Warbler, 1; Common Yellowthroat, 1; House Sparrow, 152; Eastern Meadowlark, 203; Red-winged Blackbird, 14,870; Rusty Blackbird, 665; Purple Grackle, 12,000; Brown-headed Cowbird, 636; Cardinal, 175; Purple Finch, 24; Pine Siskin, 24; Am. Goldfinch, 203; Eastern Towhee, 240; Savannah Sparrow, 41; Slate-colored Junco, 157; Chipping Sparrow, 32; Field Sparrow, 460; White-throated Sparrow, 756; Fox Sparrow, 81; Swamp Sparrow, 162; Song Sparrow, 340. **Total,** 76 species; about 40,980 individuals. —Mrs. Sam Anderson, Orpha Baber, George K. Beal, Rev. V. Becker, Glenn Bell, R. B. Belser, Mrs. Emma Boyd, Tom and Ed Collum, Mrs. T. J. Cook, Albon C. Cowles, Mrs. Evelyn Crawford, Mrs. James K. Dobbs, Wallace Dreyfoos, Louis Fink, Norman Giles, Rufus B. Godwin (compiler), Mrs. Lewis Gordon, William W. Griffin, Mrs. H. M. Herreman, Mrs. Joe Mendeloff, A. J. Murphy, Richard Parks, Mr. and Mrs. Harold S. Peters, Ralph L. Ramsey, Jr., Mrs. Natalie Redfern, Mrs. Mary Sherwood, Mrs. Morgan Smith, Mrs. Mary Waters, Ray Werner (Atlanta Bird Club).

185. Columbus, Ga. (3 areas within 7 miles of Columbus as covered in 1954, area around Moon Lake eliminated).—Dec. 30; 7:30 a.m. to 5:30 p.m.

Cloudy, sun not visible entire day; temp. 43° to 60°; wind SW, less than 10 m.p.h. Three observers in 1 party. Total party-hours, 9 (6 on foot, 3 by car); total party-miles, 38 (8 on foot, 30 by car). Mallard, 1; Turkey Vulture, 5; Black Vulture, 3; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Bob-white, 15; Mourning Dove, 6; Belted Kingfisher, 1; Yellow-shafted Flicker, 10; Red-bellied Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 5; Eastern Phoebe, 1; Blue Jay, 18; Am. Crow, 13; Carolina Chickadee, 21; Tufted Titmouse, 4; Brown-headed Nuthatch, 2; Carolina Wren, 5; Mockingbird, 20; Brown Thrasher, 5; Am. Robin, 4; Hermit Thrush, 2; Eastern Bluebird, 12; Ruby-crowned Kinglet, 10; Cedar Waxwing, 4; Loggerhead Shrike, 3; Common Starling, 28; Myrtle Warbler, 10; Pine Warbler, 1; House Sparrow, 13; Eastern Meadowlark, 15; Red-winged Blackbird, 15; Cardinal, 18; Am. Goldfinch, 9; Eastern Towhee, 19; Savannah Sparrow, 2; Vesper Sparrow, 3; Pine-woods Sparrow, 1; Slate-colored Junco, 3; Am. Tree Sparrow, 1; Chipping Sparrow, 8; Field Sparrow, 4; White-crowned Sparrow, 3; White-throated Sparrow, 21; Fox Sparrow, 1; Swamp Sparrow, 2; Song Sparrow, 6. **Total,** 48 species; 358 individuals.—Rev. W. B. Clemmons (compiler), Mrs. W. B. Clemmons, L. A. Wells.

186. Dalton, Ga. (same area as last year with omission of Dug Gap Mt. and addition of Maddox Mill area; residential 10%, mixed woods 30%, cultivated and abandoned fields 30%, pond and stream 25%, marsh 5%).—Dec. 30; 8 a.m. to 6 p.m. Intermittent rain a.m., clearing; temp 32° to 45°; wind SW, 10-20 m.p.h. Eleven observers in 2 parties. Total party-hours, 63 (48 on foot, 15 by car); total party-miles, 88 (35 on foot, 53 by car). Great Blue Heron, 2; Mallard, 10; Lesser Scaup, 2; Turkey Vulture, 7; Black Vulture, 12; Sharp-shinned Hawk, 3; Red-tailed Hawk, 1; Red-shouldered Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 1; Bob-white, 2; Killdeer, 13; Wilson's Snipe, 8; Mourning Dove, 5; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 4; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 5; Eastern Phoebe, 1; Blue Jay, 6; Am. Crow, 176; Carolina Chickadee, 15; Tufted Titmouse, 24; Carolina Wren, 11; Mockingbird, 8; Brown Thrasher, 1; Am. Robin, 6; Eastern Bluebird, 29; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 2; Common Starling, 75; Myrtle Warbler, 1; House Sparrow, 31; Eastern Meadowlark, 77; Red-winged Blackbird, 300; Rusty Blackbird, 450; Purple Grackle, 6; Cardinal, 22; Purple Finch, 1; Am. Goldfinch, 10; Eastern Towhee, 9; Slate-colored Junco, 30; Field Sparrow, 28; White-throated Sparrow, 53; Swamp Sparrow, 2; Song Sparrow, 4. **Total,** 49 species; about 1467 individuals. (Seen in area during official count period: Pine Warbler, White-breasted Nuthatch, Fox Sparrow.)—J. K. Bassett, Mrs. R. E. Hamilton (compiler), Jimmy Howell, Mrs. Sybil P. Kerr, Mrs. Herman King, Warren Martin, Douglas Puryear, Mrs. Willard Roberts, Bobby Rogers, Bryan Sapp, Mrs. Julian Sapp.

187. Ida Cason Callaway Gardens, Ga. (same area at Chipley as last year; meadows and golf course 20%, pine and mixed woods 50%, lakes 30%).—Dec. 31; 7 a.m. to 5 p.m. Clear; temp. 27° to 45°; wind 0-15 m.p.h. Twelve observers in 4 parties. Total party-hours, 69 (33 on foot, 36 by car); total party-miles, 183 (15 on foot, 168 by car). Horned Grebe, 2; Pied-billed Grebe, 50; Great Blue Heron, 2; Canada Goose, 37; **Blue Goose,** 1; Mallard, 14; Ring-necked Duck, 44; Canvas-back, 4; Lesser Scaup, 35; Turkey Vulture, 6; Black Vulture, 5; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Marsh Hawk, 1; Bob-white, 18; Killdeer, 8; Herring Gull, 1; Mourning Dove, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 12; Pileated Woodpecker, 1; Red-bellied Woodpecker, 3; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 9; Eastern Phoebe, 3; Blue Jay, 20; Am. Crow, 35; Carolina Chickadee, 28; Tufted Titmouse, 17; Brown-headed Nuthatch, 50; Brown Creeper, 2; Carolina Wren, 3; Mockingbird, 10; Am. Robin, 60; Hermit Thrush, 5; Eastern Bluebird, 30; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 20; Water Pipit, 3; Common Starling, 3; Myrtle Warbler, 50; Pine Warbler, 18; Common Yellowthroat, 1; Eastern Meadowlark, 40; Red-winged Blackbird, 60; Cardinal, 25; Purple Finch, 4; Am. Goldfinch, 125; Eastern Towhee, 25; Savannah Sparrow, 20; **Grasshopper Sparrow,** 1; Vesper Sparrow, 5; Slate-colored Junco, 250; Chipping Sparrow, 125; Field Sparrow, 128; White-crowned Sparrow, 1; White-throated Sparrow, 10; Fox Sparrow, 1; Swamp Sparrow, 20; Song Sparrow, 60. **Total,** 61 species; about 1533 individuals.—George C. Beal, Mrs. Hugh Darden, Mr. and Mrs. R. B. Godwin, Mrs. Lewis F. Gordon, Mrs. A. T. Hanson, Shelby Kinney, Gladys Ozley, Sadie Shannon, Mrs. Jesse Wallace, Mrs. J. H. Whiteman (compiler), Mrs. Margaret Wilkinson (Atlanta Bird Club, Chattahoochee Bird Club).

188. Rome, Ga. (7½-mile radius centering on Second and Broad Streets, including Jones Lake, Wax Lake, Darlington School campus, Rome Nature Park, Berry Schools campus, Russell Air Field; pasture and stubble 25%, pine woods 40%, deciduous woods 15%, lake shore 10%, town suburbs 10%).—Jan. 1; 7:15 a.m. to 5:30 p.m. Frosty, bright; temp. 22° to 57°; wind calm; ground dry. Fifteen observers in 5 parties. Total party-hours, 81 (70 on foot, 11 by car); total party-miles, 169 (38 on foot, 131 by car). Pied-billed Grebe, 136; Mallard, 9; Black Duck, 3; Gadwall, 6; Am. Widgeon, 90; Green-winged Teal, 22; Blue-winged Teal, 8; Wood Duck, 4; Redhead, 2; Ring-necked Duck, 1230; Canvas-back 3; Lesser Scaup, 3; Turkey Vulture, 7; Black Vulture, 8; Red-shouldered Hawk, 3; Sparrow Hawk, 3; Osprey, 2; Bob-white, 14; Killdeer, 18; Mourning Dove, 232; Screech Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 35; Pileated Woodpecker, 4; Red-bellied Woodpecker, 16; Yellow-bellied Sapsucker, 6; Downy Woodpecker, 19; Red-cockaded Woodpecker, 3; Eastern Phoebe, 6; Horned Lark, 60; Blue Jay, 140; Am. Crow, 185; Carolina Chickadee, 83; Tufted Titmouse, 79; White-breasted Nuthatch, 14; Red-

breasted Nuthatch, 1; Brown-headed Nuthatch, 1; Brown Creeper, 6; House Wren, 1; Winter Wren, 6; Carolina Wren, 32; Mockingbird, 49; Brown Thrasher, 15; Am. Robin, 75; Hermit Thrush, 7; Eastern Bluebird, 53; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 11; Water Pipit, 14; Loggerhead Shrike, 6; Common Starling, 305; Myrtle Warbler, 18; Pine Warbler, 59; House Sparrow, 587; Eastern Meadowlark, 359; Red-winged Blackbird, 5; Rusty Blackbird, 10,400; Purple Grackle, 750; Cardinal, 141; Purple Finch, 51; Pine Siskin, 7; Am. Goldfinch, 97; Eastern Towhee, 131; Savannah Sparrow, 17; Slate-colored Junco, 270; Chipping Sparrow, 19; Field Sparrow, 45; White-crowned Sparrow, 2; White-throated Sparrow, 535; Fox Sparrow, 4; Swamp Sparrow, 33; Song Sparrow, 130. **Total,** 72 species; about 16,707 individuals.—Cynthia Anderson, Frances Anderson, H. G. Anderson, Augusta Barton, Fred Crenshaw, G. A. Dorsey, W. A. DuPre, Mrs. W. A. DuPre, G. L. Hight, Jr., Alice Jones, H. C. Jones, Marion King, Ben Maulsby, Louise Nunnally, Alta V. Stevens (Floyd County Audubon Society).

189. Sherwood and Birdsong Plantations, Ga. (within 1500 acres in Grady County; open fields and pastures 50%, pinelands and mixed hardwoods 30%, gum swamp and ponds 20%).—Dec. 30; 5:45 a.m. to 6:15 p.m. Calm at start, partly cloudy; temp. 52° to 60°; wind NE, 10-15 m.p.h.; 2 ponds dry, 1 very low, 3 near normal; drought in fourth year and water table lowest in historic times. One observer. Total hours, 13 (11 on foot, 1 by car, 1 by canoe); total miles, 18 (8 on foot, 10 by car and canoe). Pied-billed Grebe, 1; Great Blue Heron, 1; Water-turkey, 13; Am. Widgeon, 3; Wood Duck, 28; Ring-necked Duck, 20; Hooded Merganser, 5; Turkey Vulture, 100; Black Vulture, 425; Red-tailed Hawk, 2; Red-shouldered Hawk, 6; Sparrow Hawk, 3; Bob-white, 27 (2 covies); Turkey, 1; Killdeer, 26; Wilson's Snipe, 4; Mourning Dove, 65; Ground Dove, 1; Horned Owl, 2; Barred Owl, 3; Belted Kingfisher, 4; Yellow-shafted Flicker, 32; Pileated Woodpecker, 5; Red-bellied Woodpecker, 13; Red-headed Woodpecker, 15; Downy Woodpecker, 3; Eastern Phoebe, 8; Blue Jay, 14; Am. Crow, 20; Carolina Chickadee, 2; Tufted Titmouse, 13; White-breasted Nuthatch, 1; Brown-headed Nuthatch, 4; House Wren, 3; Carolina Wren, 9; Mockingbird, 14; Catbird, 1; Brown Thrasher, 8; Am. Robin, 16; Hermit Thrush, 4; Eastern Bluebird, 28; Ruby-crowned Kinglet, 7; Loggerhead Shrike, 3; Common Starling, 17; Orange-crowned Warbler, 1; Myrtle Warbler, 28; Pine Warbler, 20; House Sparrow, 4; Eastern Meadowlark, 120; Red-winged Blackbird, 213; Brown-headed Cowbird, 4; Cardinal, 107; Pine Siskin, 1; Am. Goldfinch, 86; Eastern Towhee, 13; Savannah Sparrow, 10; Vesper Sparrow, 7; Slate-colored Junco, 9; Chipping Sparrow, 41; Field Sparrow, 1; White-throated Sparrow, 51; Swamp Sparrow, 26; Song Sparrow, 12. **Total,** 63 species; about 1734 individuals.—Herbert L. Stoddard, Sr.

190. Atlantic Ocean off Cocoa Beach, Fla. (5 to 20 miles east of Cocoa Beach; aboard Miss Charleston from 7:30 a.m. to 5:15 p.m.; thousands of birds around Port Canaveral and adjacent ocean within 5 miles of shore not included in this report; ocean 100%).—Jan. 2; 8 a.m. to 4:45 p.m. Clear, then light cirrus clouds; temp. 39° to 66°; wind N to E, 3-8 m.p.h.; ocean calm, visibility excellent. Two observers in 1 party. Total party-hours, 8¾ (by boat); total party-miles, 60 (by boat). Common Loon, 4; Brown Pelican, 154; Gannet, 124 (mostly immature); **Red Phalarope,** 3 (swimming within 30 ft. of boat); phalarope (sp.), 7; **Pomarine Jaeger,** 1 (light-phased adult); Parasitic Jaeger, 4 (all light-phased adults); immature jaeger (sp.), 7; Herring Gull, 290; Ring-billed Gull, 114; Laughing Gull, 455; Bonaparte's Gull, 8; Forster's Tern, 13; Royal Tern, 480; Cabot's Tern, 1. **Total,** 13 species; more than 1665 individuals. (In addition thousands of gulls, terns and other birds wheeling around shrimp boats too distant for species identification.)—Allan D. and Helen G. Cruickshank.

191. Cocoa, Fla. (15-mile diameter from ocean near Port Canaveral across Banana River, Merritt Island, Indian River, Cocoa to middle of Lake Poinsett; pine woods 26%, tidal estuaries 24%, palm hammocks and jungles 15%, gardens and citrus groves 10%, salt marshes and mangroves 8%, prairie 8%, fresh water and marshes 6%, ocean and beach 3%).—Dec. 27; 5:30 a.m. to 7:30 p.m. Light morning fog; temp. 61° to 75°; wind NW to E, 5-30 m.p.h.; squalls and rain late afternoon, by sundown 30 m.p.h. sustained wind with gusts to 45 m.p.h. Forty-two observers in 9 parties. Total party-hours, 126 (100 on foot, 26 by car and jeep); total party-miles, 574 (66 on foot, 508 by car and jeep). Common Loon, 12; Red-throated Loon, 1; Horned Grebe, 104; Pied-billed Grebe, 212; White Pelican, 48; Brown Pelican, 520; Gannet, **85** (over surf in afternoon storm); Double-crested Cormorant, 1200+; Water-turkey, 78; Man-o'-war-bird, 5; Great Blue Heron, 83; Am. Egret, 430; Snowy Egret, 580; Louisiana Heron, 128; Little Blue Heron, 116; Green Heron, 8; Black-crowned Night Heron, 26; Yellow-crowned Night Heron, 2; Am. Bittern, 2; Least Bittern, 4; Wood Ibis, 62; Glossy Ibis, 40; White Ibis, 720; **Am. Brant,** 3 (2 shot from flock of 14 count week); Mallard, 14; Black Duck, 7; Mottled Duck, 24; Gadwall, 42; Am. Widgeon, 285; Pintail, 1250+; Green-winged Teal, 24; Blue-winged Teal, 175; Shoveller, 108; **Wood Duck,** 2; Redhead, **240**; Ring-necked Duck, 156; Canvas-back, **480**; Lesser Scaup, 36,000+; **Buffle-head,** 5 (3 males); **Old-squaw,** 2 (1 each by 2 widely separated parties); **White-winged Scoter,** 1 (seen in same area by 2 parties); **Surf Scoter,** 1 (A.D.C.); Ruddy Duck, 144; Hooded Merganser, 4; Red-breasted Merganser, 38; Turkey Vulture, 92; Black Vulture, 34; Sharp-shinned Hawk, 14; Cooper's Hawk, 5; Red-tailed Hawk, 16; Red-shouldered Hawk, 15; Bald Eagle, 11 (8 nests); Marsh Hawk, 16; Osprey, 4; Peregrine Falcon, 1; Pigeon Hawk, 2; Sparrow Hawk, 122; Bob-white, 9; Sandhill Crane, **81** (77 in one field); Limpkin, 2; King Rail, 14; Clapper Rail, 7; Virginia

Rail, 5; Sora, 34; Florida Gallinule, 42; Am. Coot, 12,000+; Piping Plover, 16; Ringed Plover, 145; Wilson's Plover, 2; Killdeer, 182; Black-bellied Plover, 94; Ruddy Turnstone, 172; Am. Woodcock, 2; Wilson's Snipe, 53; Spotted Sandpiper, 11; Willet, 11; Greater Yellow-legs, 54; Lesser Yellow-legs, 32; Red Knot, 11; Least Sandpiper, 72; Red-backed Sandpiper, 683; Dowitcher, 62; Semipalmated Sandpiper, 410; Western Sandpiper, 42; Marbled Godwit, 1; Sanderling, 284; Am. Avocet, 13; **Parasitic Jaeger, 3** (adults seen by 2 separate parties chasing terns over surf); jaeger (sp.), 1; **Great Black-backed Gull,** 2 (1 adult); Herring Gull, 240; Ring-billed Gull, 424; Laughing Gull, 415; Bonaparte's Gull, 82; Forster's Tern, 76; Common Tern, 4; **Least Tern,** 1 (S.A.H.); Royal Tern, 650; Cabot's Tern, 6; Caspian Tern, 48; Black Skimmer, 520; Mourning Dove, 212; Ground Dove, 64; Barn Owl, 1; Screech Owl, 2; Horned Owl, 4 (2 on nests); Barred Owl, 4; Short-eared Owl, 1; Whip-poor-will, 3; **Ruby-throated Hummingbird,** 2 (species seen repeatedly throughout Dec.); Belted Kingfisher, 86; Yellow-shafted Flicker, 112; Pileated Woodpecker, **16**; Red-bellied Woodpecker, 62; **Red-headed Woodpecker,** 1; Yellow-bellied Sapsucker, 23; Hairy Woodpecker, 4; Downy Woodpecker, 12; Red-cockaded Woodpecker, 5; Eastern Phoebe, 165; Tree Swallow, 1400+; **Barn Swallow,** 1 (H.G.C., F.W.); **Purple Martin,** 1 (seen by 2 parties); Blue Jay, 58; Scrub Jay, 62; Am. Crow, 8; Fish Crow, 420; Brown-headed Nuthatch, 22; House Wren, 71; Carolina Wren, 18; Long-billed Marsh Wren, 64; Short-billed Marsh Wren, 37; Mockingbird, 112; Catbird, 109; Brown Thrasher, 9; Am. Robin, 5480+; Hermit Thrush, 8; Eastern Bluebird, 114; Blue-gray Gnatcatcher, 54; Ruby-crowned Kinglet, 60; Water Pipit, 12; Cedar Waxwing, 49; Loggerhead Shrike, 62; Common Starling, 100+; White-eyed Vireo, 11; Solitary Vireo, 7; Black and White Warbler, 5; Orange-crowned Warbler, 42; Parula Warbler, 2; Myrtle Warbler, 3680+; Yellow-throated Warbler, 9; Pine Warbler, 82; Prairie Warbler, 3; Palm Warbler, 712 (some Yellow Palms); Oven-bird, 1; **Northern Water-thrush,** 2 (1 each by 2 widely separated parties); Common Yellowthroat, 144; House Sparrow, 212; Eastern Meadowlark, 68; Red-winged Blackbird, 1200+; Rusty Blackbird, **40**; Boat-tailed Grackle, 339; Purple Grackle, 284; Brown-headed Cowbird, 54; Cardinal, 128; Painted Bunting, **18** (all at feeding stations); **Purple Finch,** 5 (J. W. party); **Pine Siskin,** 1 (R.T.P. party); Am. Goldfinch, **226**; Eastern Towhee, 82 (mostly White-eyed); Savannah Sparrow, 224; Grasshopper Sparrow, 2; Henslow's Sparrow, 1 (J.C.H.); Sharp-tailed Sparrow, 5; **Seaside Sparrow,** 7 (F.A. party); Vesper Sparrow, 7; **Lark Sparrow,** 1 (many Dec. records); Pine-woods Sparrow, 13; Chipping Sparrow, 164; **Clay-colored Sparrow,** 1 (S.A.G., same area Dec. 24, A.D.C.; still present Jan. 15); Field Sparrow, 7; White-throated Sparrow, 11; **Lincoln's Sparrow,** 1 (in same thicket 1 week); Swamp Sparrow, 146; Song Sparrow, 16. **Total,** 184 species (2 additional subspecies); more than 77,894 individuals. In addition over 20,000 ducks, gulls, terns, shorebirds too distant for identification. Of the 184 species reported 162 were seen by 2 or more parties. Careful details given compiler for all unusual birds. (Am. Golden-eye, Scissor-tailed Flycatcher, Western Kingbird present for several days within week of count.)—Fred J. Ackermann, Hank Bennett, Rose Block, Charlotte Buckland, Lottie Clark, Henry Collins, Allan D. Cruickshank (compiler), Helen G. Cruickshank, Beatrice Cultra, Clara Dunbar, Robert Dunbar, Conrad Ekdahl, Norma Ekdahl, Lon Ellis, Leon Fellows, Samuel A. Grimes, Lydia Hamilton, Samuel A. Harper, Olive Hendrickson, Robert Henderson, Robert Hueston, William Hueston, Joseph C. Howell, Kenneth Hunter, Robert Hunter, Bessie Kirk, Gordon Kirk, Katherine Lewis, William O. Lewis, Myrtle Maxwell, Katherine Michie, Dennis Miller, Reginald McKay, Michael Oboiko, James O'Neil, Roger T. Peterson, Sandy Saunders, William Shelton, Lucille Van Buskirk, Foster W. White, Jane Whiteman, Farida Wiley (Indian River Audubon Society and guests).

192. Coot Bay–Everglades National Park, Fla. (7½-mile radius centering ½ mile northwest of Bradley Key; mangrove 15%, hammock 15%, salt prairie 25%, lakes and bays 45%).—Jan. 1; 6:30 a.m. to 6 p.m. Clear; temp. 48° to 75°; wind N to SE, 5-15 m.p.h. Sixteen observers in 7 parties. Total party-hours, 74 (29 on foot, 5 by car, 40 by boat); total party-miles, 180 (31 on foot, 65 by car, 84 by boat). Horned Grebe, 1; Pied-billed Grebe, 276; White Pelican, 1427; Brown Pelican, 169; Double-crested Cormorant, 786; Water-turkey, 22; Man-o'-war-bird, 1; Great White Heron, 28; Great Blue Heron, 62; Am. Egret, 412; Snowy Egret, 991; Reddish Egret, 6; Louisiana Heron, 615; Little Blue Heron, 163; Green Heron, 19; Black-crowned Night Heron, 79; Yellow-crowned Night Heron, 26; Am. Bittern, 5; Wood Ibis, 778; White Ibis, 1213; Roseate Spoonbill, 69; Am. Flamingo, 2 (in same area for years); Mottled Duck, 208; Am. Widgeon, 13; Pintail, 54; Green-winged Teal, 103; Blue-winged Teal, 363; Shoveller, 657; Redhead, 5; Ring-necked Duck, 309; Canvas-back, 5; Lesser Scaup, 1509; Ruddy Duck, 220; Hooded Merganser, 4; Red-breasted Merganser, 252; Turkey Vulture, 456; Black Vulture, 52; Sharp-shinned Hawk, 1; Red-shouldered Hawk, 32; Broad-winged Hawk, 2; Short-tailed Hawk, **8**; Bald Eagle, 13; Marsh Hawk, 35; Osprey, 33; Peregrine Falcon, 5; Pigeon Hawk, 1; Sparrow Hawk, 33; Sora, 1; Florida Gallinule, 1; Am. Coot, 2798; Piping Plover, 13; Ringed Plover, 47; Wilson's Plover, 5; Killdeer, **1119**; Black-bellied Plover, 978; Ruddy Turnstone, 3; Wilson's Snipe, 1; Long-billed Curlew, 3; **Hudsonian Curlew, 16** (14 in 1 flock—C.B., S.S.); Spotted Sandpiper, 11; Willet, 192; Greater Yellow-legs, 35; Lesser Yellow-legs, 60; Least Sandpiper, 4376; Red-backed Sandpiper, 1206; Dowitcher, 336; Semipalmated Sandpiper, 1356; Western Sandpiper, 4123; Marbled Godwit, 1; Sanderling, 2; Am. Avocet, **83**; Herring Gull, 67; Ring-billed Gull, 130; Laughing Gull, 819; Bonaparte's Gull, 23; Forster's Tern, 201; Royal Tern, 103; Cabot's Tern, 58; Caspian Tern, 111; Black Skimmer,

887; Mourning Dove, 9; Ground Dove, 8; Barn Owl, 5; Screech Owl, 1; Horned Owl, 1; Barred Owl, 9; Whip-poor-will, 2; Ruby-throated Hummingbird, 2; Belted Kingfisher, 165; Yellow-shafted Flicker, 6; Pileated Woodpecker, 6; Red-bellied Woodpecker, 33; Yellow-bellied Sapsucker, 3; Crested Flycatcher, 21; Eastern Phoebe, 21; Tree Swallow, 2718; Am. Crow, 197; House Wren, 25; Carolina Wren, 6; Mockingbird, 27; Catbird, 39; Am. Robin, 9; Blue-gray Gnatcatcher, 212; Ruby-crowned Kinglet, 3; White-eyed Vireo, 3; Solitary Vireo, 8; Black and White Warbler, 12; **Blue-winged Warbler,** 1 (carefully identified—Mrs. R.D.); Orange-crowned Warbler, 3; Parula Warbler, 11; Myrtle Warbler, 16; **Black-throated Green Warbler,** 1 (L.S. party); Yellow-throated Warbler, 5; Prairie Warbler, 16; Palm Warbler, 115; Ovenbird, 1; **Northern Water-thrush,** 6; Common Yellowthroat, 141; **Am. Redstart,** 1; Eastern Meadowlark, 51; Red-winged Blackbird, 178; Boat-tailed Grackle, 35; Purple Grackle, 12; Cardinal, 13; Painted Bunting, 3; Am. Goldfinch, 202; Eastern Towhee, 1; Savannah Sparrow, 79; Grasshopper Sparrow, 1; Sharp-tailed Sparrow, 1; Swamp Sparrow, 22. **Total,** 131 species; about 35,155 individuals.—William G. Atwater, Charles M. Brookfield, Bob Carpenter, Haskell B. Curry, Mrs. Roy N. Dickey, Julie Hotchkiss, Ty Hotchkiss, David O. Karraker, Mrs. Eugene Miles, Betty Rice, Bill Robertson, Sandy Sprunt (compiler), Mr. and Mrs. Louis A. Stimson, Edward Wysocke, C. Edgar Bedell.

193. Daytona Beach, Fla. (7½-mile radius centering on southwest corner of Volusia Ave. and Beach St., west on Rt. 92 to fire tower, east to ocean, north to Ormond Beach, south to Spruce Creek; pasture 21%, pine barrens 36%, residential 10%, sand bars in Halifax River 8%, beach and sand dunes 25%).—Dec. 30; 7 a.m. to 5 p.m. Partly cloudy, fog early; temp. 57° to 69°; wind NW, 12 m.p.h. Fourteen observers in 4 parties. Total party-hours, 40 (13 on foot, 27 by car); total party-miles, 143 (14 on foot, 129 by car). Common Loon, 3; Horned Grebe, 41; Pied-billed Grebe, 28; White Pelican, 1; Brown Pelican, 92; Gannet, 8; Double-crested Cormorant, 144; Water-turkey, 7; Great Blue Heron, 13; Am. Egret, 217; Snowy Egret, 147; Louisiana Heron, 33; Little Blue Heron, 31; Green Heron, 2; Black-crowned Night Heron, 3; Yellow-crowned Night Heron, 4; Wood Ibis, 6; White Ibis, 1; Mallard, 2; Mottled Duck, 1; Ring-necked Duck, 1; Lesser Scaup, 252; **Am. Golden-eye,** 1; Ruddy Duck, 20; Red-breasted Merganser, 8; Turkey Vulture, 14; Black Vulture, 20; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 7; Marsh Hawk, 5; Osprey, 1; Sparrow Hawk, 35; Clapper Rail, 13; Sora, 2; Florida Gallinule, 3; Am. Coot, 9; Piping Plover, 1; Killdeer, 18; Black-bellied Plover, 17; Ruddy Turnstone, 45; Wilson's Snipe, 11; Spotted Sandpiper, 1; **Solitary Sandpiper,** 1; Willet, 1; Greater Yellow-legs, 1; Lesser Yellow-legs, 1; Semipalmated Sandpiper, 20; Sanderling, 204; Herring Gull, 79; Ring-billed Gull, 1066; Laughing Gull, 35; Bonaparte's Gull, 221; Forster's Tern, 181; Royal Tern, 45; Cabot's Tern, 6, Caspian Tern, 1; Black Skimmer, 497; Mourning Dove, 112; Ground Dove, 15; Belted Kingfisher, 20; Yellow-shafted Flicker, 40; Pileated Woodpecker, 5; Red-bellied Woodpecker, 45; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 14; Hairy Woodpecker, 1; Downy Woodpecker, 1; Eastern Phoebe, 24; **Vermilion Flycatcher,** 1 (carefully identified—R.B. party); Tree Swallow, 184; Blue Jay, 45; Scrub Jay, 3; Am. Crow, 153; Fish Crow, 515; Carolina Chickadee, 4; Tufted Titmouse, 1; House Wren, 16; Winter Wren, 1; Carolina Wren, 4; Long-billed Marsh Wren, 4; Short-billed Marsh Wren, 2; Mockingbird, 83; Catbird, 35; Brown Thrasher, 3; Am. Robin, 907; Hermit Thrush, 1; Eastern Bluebird, 173; Blue-gray Gnatcatcher, 3; Ruby-crowned Kinglet, 5; Water Pipit, 75; Cedar Waxwing, 3; Loggerhead Shrike, 28; Common Starling, 197; White-eyed Vireo, 2; Black and White Warbler, 1; Mrytle Warbler, 1219; Yellow-throated Warbler, 1; Prairie Warbler, 2; Palm Warbler, 86; Common Yellowthroat, 11; House Sparrow, 84; Eastern Meadowlark, 20; Red-winged Blackbird, 230; Purple Grackle, 38; Brown-headed Cowbird, 50; Cardinal, 22; Am. Goldfinch, 67; Eastern Towhee, 41; Savannah Sparrow, 20; Chipping Sparrow, 85; White-throated Sparrow, 9; Swamp Sparrow, 4; Song Sparrow, 7. **Total,** 115 species; about 8355 individuals. (Baltimore Oriole seen week of count.)—Fred J. Ackermann (compiler), Marion Adams, Mrs. Rose Block, Conrad Ekdahl, Norma Ekdahl, Frank James, Dennis Miller, Kenneth Hunter, Ann Odsted, Lydia Hamilton, Fern Holden, Mrs. Marie Wenberg, Genevieve James, Robert Hunter (Halifax River Bird Club).

194. Fort Jefferson National Monument, Fla. (Dry Tortugas; Garden Key, Bush Key, Long Key; seas too rough to attempt going to the four other keys; mangroves, Bay Cedar, Sea Lavender, Cakile and Purslane make up most of foliage on Bush Key; Purslane, small Sea Lavender, small Bay Cedar and small mangroves on Long Key; in addition to above Buttonwood and Coconut Palms on Garden Key).—Jan. 2; 8 a.m. to 5:30 p.m. Clear; temp. 62° to 73°; wind E, 20 m.p.h. Two observers in 1 party. Total party-hours, 8½ (7½ on foot, 1 by boat); total party-miles, 7 (5 on foot, 2 by boat). Brown Pelican, 8; Man-o'-war-bird, 1; Great Blue Heron, 2; Lesser Scaup, 4; Peregrine Falcon, 1; Sparrow Hawk, 1; Piping Plover, 8; Black-bellied Plover, 19; Ruddy Turnstone, 6; Willet, 2; Sanderling, 2; Herring Gull, 23; Laughing Gull, 47; Bonaparte's Gull, 1; Royal Tern, 465; Mourning Dove, 1; Belted Kingfisher, 1; Catbird, 1; Myrtle Warbler, 32; Palm Warbler, 46. **Total,** 20 species; 671 individuals. (Seen during official count period: Blue-faced Booby, White-bellied Booby, White Ibis.)—John R. De Weese, Lauretta R. De Weese (compiler).

195. Fort Myers, Fla. (Fort Myers to Punta Rassa, Fort Myers Beach and Estero; seashore, river, woodlands, fields).—Dec. 30; 7:15 a.m. to 6:30 p.m. Clear a.m., cloudy p.m.; temp. 52° to 77°; wind gentle. Three observers in 1 party. Total party-hours, 9¾ (3 on foot, 6¾ by car); total party-miles, 40

(3 on foot, 37 by car). Brown Pelican, 181; Double-crested Cormorant, 33; Great Blue Heron, 4; Am. Egret, 4; Snowy Egret, 1; Louisiana Heron, 5; Little Blue Heron, 9; Wood Ibis, 3; Black Duck, 1; Lesser Scaup, 6; Am. Merganser, 1 [no details—Ed.]; Turkey Vulture, 66; Red-tailed Hawk, 1; Red-shouldered Hawk, 3; Bald Eagle, 1; Marsh Hawk, 3; Sparrow Hawk, 10; Am. Coot, 32; Snowy Plover, 6; Ringed Plover, 30; Wilson's Plover, 1; Spotted Sandpiper, 3; Least Sandpiper, 30; Semipalmated Sandpiper, 100; Sanderling, 40; Herring Gull, 2; Ring-billed Gull, 128; Laughing Gull, 3; Black Skimmer, 30; Mourning Dove, 83; Ground Dove, 2; **Ruby-throated Hummingbird,** 1; Belted Kingfisher, 9; Yellow-shafted Flicker, 5; Pileated Woodpecker, 1; Red-bellied Woodpecker, 5; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 1; Crested Flycatcher, 1; Eastern Phoebe, 1; empidonax flycatcher (sp.), 1 [reported as Yellow-bellied—Ed.]; Tree Swallow, 12; Blue Jay, 1; Am. Crow, 30; Fish Crow, 35; Bewick's Wren, 1 [unconvincing details—Ed.]; Mockingbird, 30; Catbird, 1; Eastern Bluebird, 10; Blue-gray Gnatcatcher, 5; Water Pipit, 1; Loggerhead Shrike, 13; Black and White Warbler, 1; Palm Warbler, 10; Common Yellowthroat, 1; Eastern Meadowlark, 4; Red-winged Blackbird, 71; Boat-tailed Grackle, 2; Purple Grackle, 50; Cardinal, 3; Am. Goldfinch, **56**; Eastern Towhee, 2. **Total,** 61 species (1 additional subspecies); about 1188 individuals. (Sandhill Crane, House Sparrow, Bob-white, Red-headed Woodpecker, Black-bellied Plover, Prairie Warbler, Barn Owl seen during count week.)—Mrs. Catherine Gibson (compiler), F. C. Holmgren, Mr. and Mrs. Denton Smith.

196. Jacksonville, Fla. (same area as last year; flatwoods 16%, hammock 25%, salt marsh 8%, fresh marsh 9%, mud flats 5%, swamp 2%, high pineland 9%, sea beach 13%, sand dunes 6%, farmlands 2%, pasture 2%, suburbs 3%).—Jan. 1; 6 a.m. to 6 p.m. Clear, heavy frost; temp. 29° to 60°; wind NW, 0-9 m.p.h. Twenty observers in 5 parties. Total party-hours, 56 (23 on foot, 33 by car); total party-miles, 245 (43 on foot, 202 by car). Common Loon, 4; Red-throated Loon, 1; Horned Grebe, 8; Pied-billed Grebe, 23; Brown Pelican, 164; Gannet, 10; Double-crested Cormorant, 59; Great Blue Heron, 28; Am. Egret, 79; Snowy Egret, 12; Louisiana Heron, 4; Little Blue Heron, 18; Black-crowned Night Heron, 41; Mallard, 4; Black Duck, 5; Am. Widgeon, 10; Wood Duck, 2; Ring-necked Duck, 15; Lesser Scaup, 272; Ruddy Duck, 1; Hooded Merganser, 12; Red-breasted Merganser, 35; Turkey Vulture, 18; Black Vulture, 5; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 6; Red-shouldered Hawk, 7; Bald Eagle, 12; Marsh Hawk, 13; Osprey, 3; Sparrow Hawk, 25; Bob-white, 20; King Rail, 5; Clapper Rail, 29; Florida Gallinule, 2; Am. Coot, 22; Piping Plover, **75**; Ringed Plover, 201; Killdeer, 34; Black-bellied Plover, 32; Ruddy Turnstone, 50; Am. Woodcock, 1; Wilson's Snipe, 5; Spotted Sandpiper, 1; Greater Yellow-legs, 5; Least Sandpiper, 31; Red-backed Sandpiper, 500; Dowitcher, 25; Semipalmated Sandpiper, 10; Western Sandpiper, 50; Sanderling, 34; Herring Gull, 203; Ring-billed Gull, **471**; Laughing Gull, 35; Bonaparte's Gull, 2; Forster's Tern, 69; Royal Tern, 60; Black Skimmer, 60; Mourning Dove, 38; Ground Dove, 9; Screech Owl, 1; Horned Owl, 4; Belted Kingfisher, 27; Yellow-shafted Flicker, 15; Pileated Woodpecker, 3; Red-bellied Woodpecker, 21; Red-headed Woodpecker, 6; Yellow-bellied Sapsucker, 10; Hairy Woodpecker, 1; Downy Woodpecker, 4; Eastern Phoebe, 22; Tree Swallow, 10,084; Blue Jay, 23; Am. Crow, 8; Fish Crow, 161; Carolina Chickadee, 5; Tufted Titmouse, 43; Brown-headed Nuthatch, 1; House Wren, 3; Carolina Wren, 14; Long-billed Marsh Wren, 10; Short-billed Marsh Wren, 3; Mockingbird, 58; Catbird, 14; Brown Thrasher, 1; Am. Robin, 251; Hermit Thrush, 6; Eastern Bluebird, 67; Blue-gray Gnatcatcher, 2; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 26; Water Pipit, 21; Loggerhead Shrike, 30; Common Starling, 32; Solitary Vireo, 1; Black and White Warbler, 1; Orange-crowned Warbler, 3; Myrtle Warbler, 2650; Yellow-throated Warbler, 3; Pine Warbler, 8; Palm Warbler, 19; Oven-bird, 1; Common Yellowthroat, 5; Eastern Meadowlark, 23; Red-winged Blackbird, 57; Brown-headed Cowbird, 50; Cardinal, 31; **Purple Finch,** 9; Am. Goldfinch, 50; Eastern Towhee, 45; Savannah Sparrow, 80; Seaside Sparrow, 4; Vesper Sparrow, 7; Pine-woods Sparrow, 1; Chipping Sparrow, 27; Field Sparrow, 4; White-throated Sparrow, 59; Swamp Sparrow, 17; Song Sparrow, 4. **Total,** 120 species; about 17,119 individuals.—Mrs. Jerome Bromley, Charlotte Buckland, Lottie M. Clark, Mrs. Morris D. Cultra, Frances Eichman, Mrs. Rose Forney, Mrs. Ruth Frazen, Samuel A. Grimes, Mrs. W. W. Hendrickson, E. L. Hopkins, Betty Hoyt, Margaret Jackson, Mrs. R. M. Knight, R. F. Marsh, R. R. McKay (compiler), Mrs. L. W. Norsworthy, M. R. Prothroe, Mrs. Frances Sligh, Mrs. J. C. Stone, Mrs. J. W. Whiteman (Duval County Audubon Society).

197. Key Largo—Plantation Key, Fla. (Islamorada Post Office to Key Largo Post Office; Florida Bay area includes Swash, Nest, Eagle, Russell, Crab Keys; 7½-mile radius centered at Low Key 3 miles NW of Tavernier Creek; ocean and bay 80%, tropical hammock 10%, ponds, swamps 5%, flats 5%).—Jan. 2; 6 a.m. to 6 p.m. Partly cloudy to clear; temp. 60° to 77°; wind E, 5-10 m.p.h. Ten observers in 2 parties. Total party-hours, 16½ (10 on foot, 2 by car, 4½ by boat); total party-miles, 52 (6 on foot, 34 by car, 12 by boat). Common Loon, 1; Horned Grebe, 5; Pied-billed Grebe, 15; White Pelican, 11; Brown Pelican, 211; Double-crested Cormorant, 107; Man-o'-war-bird, **24**; Great White Heron, 20; Great Blue Heron, 19; Am. Egret, 145; Snowy Egret, 24; Reddish Egret, **53**; Louisiana Heron, 92; Little Blue Heron, 82; Green Heron, 3; Yellow-crowned Night Heron, 6; Wood Ibis, 30; White Ibis, 9; Roseate Spoonbill, **175**; Blue-winged Teal, 11; Red-breasted Merganser, 168; Turkey Vulture, 45; Red-shouldered Hawk, 3; Broad-winged Hawk, 3; Bald Eagle, 1; Marsh Hawk, 5; Osprey, 24; Sparrow Hawk, 59; Ringed Plover, 11; Killdeer, 19; Black-bellied Plover, 13; Ruddy Turnstone, 3; Spotted Sandpiper, 1;

Willet, 1; Greater Yellow-legs, 13; Lesser Yellow-legs, 36; Least Sandpiper, 130; Dowitcher, 250; Semipalmated Sandpiper, 42; Western Sandpiper, 40; Herring Gull, 18; Ring-billed Gull, 65; Laughing Gull, 23; Bonaparte's Gull, 8; Forster's Tern, 2; Royal Tern, 54; Black Skimmer, 350; **White-crowned Pigeon,** 13 [careful, unquestionable details submitted; birds well seen by experienced observers —Ed.]; Mourning Dove, 7; **White-winged Dove,** 1; Ground Dove, 9; Barn Owl, 2; Ruby-throated Hummingbird, 2; Belted Kingfisher, 21; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 1; Crested Flycatcher, 1; Eastern Phoebe, 26; House Wren, 1; Mockingbird, 36; Catbird, 18; Blue-gray Gnatcatcher, 65; Loggerhead Shrike, 3; White-eyed Vireo, 8; Black and White Warbler, 1; Orange-crowned Warbler, 2; Myrtle Warbler, 1; **Black-throated Green Warbler,** 1; Yellow-throated Warbler, 4; Prairie Warbler, 5; Palm Warbler, 81; Northern Water-thrush, 1; Common Yellowthroat, 26; House Sparrow, 16; Red-winged Blackbird, 204; Cardinal, 18; Am. Goldfinch, 12; Savannah Sparrow, 9. **Total,** 79 species; about 3028 individuals. (Species observed to be nesting: Bald Eagle, Osprey, Great White Heron, Roseate Spoonbill.)—Robert P. Allen, Herbert and Virginia Bergamini, Christine Bonney, Bert Harwell, Margaret Hundley, Andy Meyerriecks, Sandy Sprunt, George B. Stevenson (compiler), Jack Watson.

198. Key West, Fla. (7½-mile radius centering on Boca Chica Key, including Key West, Stock Island, Saddlebunch Keys; mud flats 15%, mangrove swamp 10%, beaches, waterfront, and docks 50%, hammock 15%, open fields, sanctuary and golf course 10%).—Dec. 31; 6:30 a.m. to 6:30 p.m. Clear to cloudy; temp. 65° to 72°; wind N, 15 m.p.h. Eleven observers in 4 parties. Total party-hours, 43 (33 on foot, 10 by car); total party-miles, 77 (10 on foot, 67 by car). Brown Pelican, 75; Double-crested Cormorant, 114; Man-o'-war-bird, 6; Great White Heron, 6; Great Blue Heron, 6; Wurdemann's Heron (hybrid), 2; Am. Egret, 2; Louisiana Heron, 110; Little Blue Heron, 25; Yellow-crowned Night Heron, 1; Red-breasted Merganser, **409**; Turkey Vulture, 89; Red-shouldered Hawk, 1; Broad-winged Hawk, 7; **Short-tailed Hawk,** 1; **Bald Eagle,** 1; Marsh Hawk, 4; Osprey, 2; Pigeon Hawk, 1; Sparrow Hawk, 58; Piping Plover, 7; Ringed Plover, 169; Wilson's Plover, 3; Killdeer, 7; Black-bellied Plover, 28; Ruddy Turnstone, 16; Spotted Sandpiper, 3; Greater Yellow-legs, 5; Least Sandpiper, 31; Red-backed Sandpiper, 60; Dowitcher, 81; Semipalmated Sandpiper, 51; Sanderling, 104; Herring Gull, 62; Ring-billed Gull, 938; Laughing Gull, 399; Royal Tern, 415; Caspian Tern, 2; **Black Skimmer,** 1; Mourning Dove, 23; Ground Dove, 13; Barn Owl, 1; Ruby-throated Hummingbird, 4; Belted Kingfisher, 19; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 2; Western Kingbird, 2; Scissor-tailed Flycatcher, 1; Tree Swallow, 1; Mockingbird, 6; Catbird, 17; Blue-gray Gnatcatcher, 23; Orange-crowned Warbler, 1; **Louisiana Water-thrush,** 1; Myrtle Warbler, 67; Yellow-throated Warbler, 5; Prairie Warbler, 17; Palm Warbler, 105; Oven-bird, 1; Common Yellowthroat, 3; **Am. Redstart,** 1; Red-winged Blackbird, 87; **Baltimore Oriole, 5**; Purple Grackle, 1; Cardinal, 4; **Indigo Bunting,** 1 (at feeder); Painted Bunting, **23** (at feeder); Am. Goldfinch, 32; Savannah Sparrow, 25; Grasshopper Sparrow, 2; **Swamp Sparrow,** 1. **Total,** 70 species (1 additional hybrid); about 3797 individuals. (Seen in area during count period: Willet, **Yellow-breasted Chat, Kentucky Warbler,** House Sparrow.)—Christine Bonney, Mef Fridley, Frances Hames, Mrs. Hugh Harris, Donald and Dorothy Heinly, Margaret Hundley (compiler), Wallace Kirke, George Stevenson, Isabel and Frederick Walker.

199. Lower Keys, Fla. (Monroe County, keys and connecting bridges along Overseas Highway from west end of Seven Mile Bridge through Cudjoe Key; 7½-mile radius centering on Big Pine Key; beaches, sand bars, ocean and gulf 30%, salt-water ponds and mud-flats 30%, mangrove swamps 20%, pine-palm forest 15%, tropical hammock 5%).—Dec. 26; 6:30 a.m. to 6:30 p.m. Clear; temp. 64° to 76°; wind N to NW, 4-7 m.p.h. Seven observers in 2 parties. Total party-hours, 24 (21 on foot, 3 by car); total party-miles, 90 (4 on foot, 86 by car). Pied-billed Grebe, 1; Brown Pelican, 52; Double-crested Cormorant, 303; Man-o'-war-bird, 15; Great White Heron, 11; Great Blue Heron, 13; Wurdemann's Heron (hybrid), 2; Am. Egret, 3; Snowy Egret, 4; Louisiana Heron, 53; Little Blue Heron, 25; Green Heron, 3; Yellow-crowned Night Heron, 3; **Am. Bittern,** 1; Red-breasted Merganser, 144; Turkey Vulture, 35; Sharp-shinned Hawk, 1; Red-shouldered Hawk, 17; Broad-winged Hawk, 10; Short-tailed Hawk, 1; Marsh Hawk, 4; Osprey, 11; Peregrine Falcon, 1; Pigeon Hawk, 1; Sparrow Hawk, 31; Piping Plover, 6; Ringed Plover, 64; Wilson's Plover, 11; Killdeer, 6; Black-bellied Plover, 299; Ruddy Turnstone, 65; Spotted Sandpiper, 5; Willet, 5; Greater Yellow-legs, 4; Lesser Yellow-legs, 2; Least Sandpiper, 107; Dowitcher, 232; Semipalmated Sandpiper, 7; Sanderling, 53; Herring Gull, 3; Ring-billed Gull, 24; Laughing Gull, 26; Royal Tern, 198; Black Skimmer, 5; Mourning Dove, 5; Ground Dove, 8; Barn Owl, 2; Ruby-throated Hummingbird, 5; Belted Kingfisher, 24; Red-bellied Woodpecker, 5; Yellow-bellied Sapsucker, 1; Tree Swallow, 2; **Barn Swallow, 5**; Mockingbird, 9; Catbird, 27; Blue-gray Gnatcatcher, 46; White-eyed Vireo, 2; Black and White Warbler, 2; Orange-crowned Warbler, 4; Parula Warbler, 2; Myrtle Warbler, 4; Yellow-throated Warbler, **15**; Prairie Warbler, 28; Palm Warbler, 130; Louisiana Water-thrush, 3; Common Yellowthroat, 13; **Am. Redstart,** 1; Red-winged Blackbird, 258; Cardinal, 12; Painted Bunting, 2; Am. Goldfinch, 27; Savannah Sparrow, 12; Swamp Sparrow, 5. **Total,** 72 species (1 additional hybrid); about 2526 individuals. (Seen during official count period: Am. Coot.)—Mrs. Christine Bonney (compiler), Mrs. Frances Hames, Mrs. Margaret Hundley, Douglas James, Mrs. Frances James, Betty Rice, William Robertson (Monroe County Audubon Society and guests).

200. Loxahatchee National Wildlife Refuge, Fla. (Palm Beach County, same area as last year, 7½-mile radius centered 12 miles west of Delray Beach; fresh-water glades with scattered bayheads 70%, levees and canal banks 10%, roadsides, winter crop fields and pastures 10%, pine flatwoods 5%, cypress heads 5%).—Dec. 28; 7 a.m. to 7:30 p.m. Low overcast, showers; temp. 66° to 72°; wind E to SE, 20-30 m.p.h.; 4-in. rain in some places. Four observers in 3 parties. Total party-hours, 18 (5 on foot, 12 by car and jeep, 1 by airboat); total party-miles, 60½ (3½ on foot, 47 by car and jeep, 10 by airboat). Pied-billed Grebe, 22; Double-crested Cormorant, 1; Water-turkey, 3; Great Blue Heron, 80; Am. Egret, 340; Snowy Egret, 149; Louisiana Heron, 48; Little Blue Heron, 66; Green Heron, 4; Black-crowned Night Heron, 146; Am. Bittern, 4; Wood Ibis, 49; **Glossy Ibis,** 2; White Ibis, 1 (1236 last year!); Mallard, 26; Mottled Duck, 42; Am. Widgeon, 15; Blue-winged Teal, 10; Wood Duck, 11; Ring-necked Duck, 176; Lesser Scaup, 25; Hooded Merganser, 20; Turkey Vulture, 98; Black Vulture, 16; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 14; Bald Eagle, 2; Marsh Hawk, 27; Osprey, 1; Pigeon Hawk, 1, Sparrow Hawk, 21; Bob-white, 37; Sandhill Crane, 15; Limpkin, 1; King Rail, 2; Sora, 1; Purple Gallinule, 1; Florida Gallinule, 12; Am. Coot, 168; Killdeer, 80; Wilson's Snipe, 33; Greater Yellow-legs, 1; Lesser Yellow-legs, 5; **Pectoral Sandpiper,** 3 (present for week); Least Sandpiper, 20; Forster's Tern, 2; Mourning Dove, 5; Ground Dove, 6; Barn Owl, 1; Horned Owl, 1; **Short-eared Owl,** 1 (R.A.); Belted Kingfisher, 33; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 8; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 2; Eastern Phoebe, 33; Tree Swallow, 91; Blue Jay, 6; House Wren, 9; Carolina Wren, 4; Long-billed Marsh Wren, 3; Short-billed Marsh Wren, 1; Mockingbird, 19; Catbird, 6; Brown Thrasher, 1; Am. Robin, 239; Eastern Bluebird, 5; Blue-gray Gnatcatcher, 29; Ruby-crowned Kinglet, 3; Loggerhead Shrike, 12; White-eyed Vireo, 2; Solitary Vireo, 1; Orange-crowned Warbler, 2; Parula Warbler, 1; Myrtle Warbler, 358; **Black-throated Green Warbler,** 1 (male carefully studied—R.A., C.B.); Yellow-throated Warbler, 1; Prairie Warbler, 2; Palm Warbler, 64; Oven-bird, 1; Common Yellowthroat, 26; House Sparrow, 7; Eastern Meadowlark, 24; Red-winged Blackbird, 679; Boat-tailed Grackle, 240; Purple Grackle, 251; Cardinal, 22; Am. Goldfinch, 48; Eastern Towhee, 5; Savannah Sparrow, 28; Chipping Sparrow, 1; **White-throated Sparrow,** 1; Swamp Sparrow, 2; Song Sparrow, 1. **Total,** 97 species; about 4097 individuals. (Low water levels concentrated water birds in remote areas; unfavorable weather limited use of airboat. Species seen during official count period: Canvas-back, Pintail, Gadwall, Green-winged Teal, Cattle Egret, Barred Owl, Peregrine Falcon, Black Skimmer, Crested Flycatcher.)—Ralph Andrews (compiler), C. Vernon Bowes, Arnold Johnson, Charles Loveless (Broward County Audubon Society and U. S. Fish and Wildlife Service).

201. Monroe, Fla. (same area as previous years, 7½-mile radius centering on Monroe-Collier County line 7 miles west of Dade County line; canal banks, cypress swamp, everglades, a few small pine areas).—Dec. 28; 6:30 a.m. to 6 p.m. Heavy overcast, fog a.m.; clear p.m.; temp. 60° to 80°; wind NE, 0-5 m.p.h. Nineteen observers in 8 parties. Total party-hours, 64½ (51 on foot, 13½ by car); total party-miles, 73 (30 on foot, 43 by car). Pied-billed Grebe, 17; Double-crested Cormorant, 3; Water-turkey, 37; Great Blue Heron, 108; Am. Egret, 183; Snowy Egret, 37; Louisiana Heron, 115; Little Blue Heron, 231; Green Heron, 41; Black-crowned Night Heron, 36; Yellow-crowned Night Heron, 3; Am. Bittern, 7; Wood Ibis, 41; Glossy Ibis, 3; White Ibis, 273; Mottled Duck, 1; **Shoveller,** 1; Ring-necked Duck, 25; Lesser Scaup, 1; Turkey Vulture, 356; Black Vulture, 28; Sharp-shinned Hawk, 4; Red-shouldered Hawk, 70; Marsh Hawk, 5; Osprey, 1; Pigeon Hawk, 1; Sparrow Hawk, 10; Turkey, 3; Limpkin, 2; King Rail, 2; Sora, 1; Florida Gallinule, 73; Am. Coot, 70; Killdeer, 48; Wilson's Snipe, 9; Mourning Dove, 2; Ground Dove, 1; Barred Owl, 7; Ruby-throated Hummingbird, 1; Belted Kingfisher, 119; Yellow-shafted Flicker, 16; Pileated Woodpecker, 4; Red-bellied Woodpecker, 77; Yellow-bellied Sapsucker, 9; Hairy Woodpecker, 1; Downy Woodpecker, 10; Western Kingbird, 1; Crested Flycatcher, 31; Eastern Phoebe, 52; Tree Swallow, 350; Blue Jay, 12; Am. Crow, 239; Tufted Titmouse, 17; House Wren, 15; Carolina Wren, 64; Short-billed Marsh Wren, 1; Mockingbird, 43; Catbird, 66; Am. Robin, 482; Eastern Bluebird, 4; Blue-gray Gnatcatcher, 437; Ruby-crowned Kinglet, 6; White-eyed Vireo, 37; Solitary Vireo, 5; Black and White Warbler, 23; Orange-crowned Warbler, 10; Myrtle Warbler, 1083; Yellow-throated Warbler, 9; Pine Warbler, 6; Prairie Warbler, 6; Palm Warbler, 532; Oven-bird, 1; Northern Water-thrush, 3; Common Yellowthroat, 399; Am. Redstart, 14; **House Sparrow,** 14; Eastern Meadowlark, 25; Red-winged Blackbird, 375; Boat-tailed Grackle, 326; Purple Grackle, 393; Cardinal, 85; Painted Bunting, 3; **Dickcissel,** 1 (D.P.); Am. Goldfinch, 198; Eastern Towhee, 2; Swamp Sparrow, 72. **Total,** 86 species; about 7537 individuals. (Seen in area count week: Hermit Thrush, Baltimore Oriole).—J. Abramson, Anna Cox, Eva S. Dickie, A. S. Gasche, Mary Agnes Gasche, Patricia Heinlein, B. J. Kincaid, Gretchen Kincaid, F. B. Kopf, Alice McKenna, D. R. Paulson, Kacy Payne, P. Payne, E. Sillick, Audrey Sillick, L. A. Stimson (compiler), Dorothy S. Stimson. Pauline Taft, R. A. Woodmansee.

202. Myakka River State Park, Fla. (same area as previous years; 7½-mile radius centering on main gate on Route 72; river, lakes and swamps 25%, woods, Live Oak and Cabbage Palm 50%, prairie and palmetto 23%, oil fields 2%).—Dec. 27; 6:30 a.m. to 5 p.m. Heavy fog till 11 a.m., overcast; temp, 60° to 72°; wind NNW, 2-10 m.p.h. Twenty-one observers in 5 parties. Total party-hours, 52 (23 on foot, 27 by car, 2 by boat); total party-miles, 119 (16 on foot, 98 by car, 5 by boat). Pied-billed Grebe,

52; White Pelican, 11; Double-crested Cormorant, 9; Water-turkey, 22; Great Blue Heron, 39; Am. Egret, 91; Snowy Egret, 206; Louisiana Heron, 34; Little Blue Heron, 87; Black-crowned Night Heron, 2; Yellow-crowned Night Heron, 1; Wood Ibis, 40; White Ibis, 238; Mallard, 5; Mottled Duck, 95; **Gadwall,** 10; Am. Widgeon, 28; Pintail, 89; **Green-winged Teal,** 20; Blue-winged Teal, **124**; **Shoveller,** 1; Lesser Scaup, 107; **Buffle-head,** 2 (pair carefully studied); **Hooded Merganser,** 10; Turkey Vulture, 47; Black Vulture, 88; Sharp-shinned Hawk, 4; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 38; Bald Eagle, 3; Marsh Hawk, 6; Sparrow Hawk, 13; Bob-white, 33; Turkey, 79; King Rail, 1; Florida Gallinule, 2; Am. Coot, 57; Killdeer, 98; Black-bellied Plover, 1; Wilson's Snipe, **56**; **Solitary Sandpiper,** 1 (carefully studied—A.H., M.D.); Willet, 12; Greater Yellow-legs, **88**; Lesser Yellow-legs, 13; Least Sandpiper, 30; Dowitcher, 19; Semipalmated Sandpiper, 11; Forster's Tern, 6; Common Tern, 4; Mourning Dove, 31; Ground Dove, 26; Horned Owl, 3; Barred Owl, 8; Belted Kingfisher, 16; Yellow-shafted Flicker, 12; Pileated Woodpecker, **6**; Red-bellied Woodpecker, 15; Hairy Woodpecker, 1; Eastern Phoebe, 51; empidonax (sp.), 2; Tree Swallow, **15,760**; Blue Jay, 4; Am. Crow, 109; Fish Crow, 3; Carolina Wren, 5; Short-billed Marsh Wren 1; Mockingbird, 52; Catbird, 21; Brown Thrasher, 2; Am. Robin, 537; Eastern Bluebird, 4; Blue-gray Gnatcatcher, 40; Ruby-crowned Kinglet, 6; Loggerhead Shrike, 8; Solitary Vireo, 3; Black and White Warbler, 3; Myrtle Warbler, 1591; Yellow-throated Warbler, 1; Pine Warbler, 1; Prairie Warbler, 1; Palm Warbler, 61; Common Yellowthroat, 2; Eastern Meadowlark, 36; Red-winged Blackbird, 882; Boat-tailed Grackle, 49; Purple Grackle, 28; Cardinal, 30; Am. Goldfinch, 58; Eastern Towhee, 11; Savannah Sparrow, 22; **Vesper Sparrow, 23. Total,** 92 species (1 additional subspecies); about 21,561 individuals. (Seen in area count week: Sandhill Crane.)—Mrs. J. Hartley Blackburn, Mr. and Mrs. A. C. Brettle, Mr. and Mrs. Talbot Brewer (compilers), Mrs. Allan Brown (compiler), Mrs. B. E. Cartmell, Allan Crowley, Mrs. Cecil Daughtry, Allen S. Hitch, Mary Miller, Mrs. R. T. Morgan, Joseph Mulloy, Col. and Mrs. Kevin O'Shea, Mrs. Clyde Phelps, Mabel Phillips, Mrs. J. M. Stifler, Mrs. George Taylor, Mrs. Carl Trube, Mrs. David Williams.

203. Panacea, Fla. (circle as in 1954, but coverage somewhat different; gulf beach 3%, bay shores 14%, fresh-water ponds 6%, bays and harbors [by boat] 7%, fresh-water marshes 2%, salt marshes 5%, cypress-gum swamps 2%, cultivated fields 3%, pastures and old fields 8%, pine woods 20%, hardwoods 13%, residential sections 3%, roadside [by car] 14%).—Dec. 27; 6:15 a.m. to 7:30 p.m. Mostly overcast; temp. 51° to 63° (at Tallahassee); wind NE, 9-15 m.p.h.; water levels extremely low from record-breaking 2-year drought. Eleven observers in 6 parties. Total party-hours, 60¼ (44½ on foot, 10¼ by car 5½ by boat); total party-miles, 249 (40 on foot, 197 by car, 12 by boat). Common Loon, 28; Horned Grebe, 53; Pied-billed Grebe, 24; White-Pelican, 1; Brown Pelican, 2; **Gannet,** 1 (immature); Double-crested Cormorant, 110; Water-turkey, 2; Great Blue Heron, 59; Am. Egret, 13; Louisiana Heron, 23; Little Blue Heron, 14; **Green Heron,** 1; **Am. Bittern,** 1; Canada Goose, 1000; Mallard, 16; Black Duck, 24; Gadwall, 4; Am. Widgeon, **350**; Pintail, 1; Green-winged Teal, 15; Redhead, **2000**; Ring-necked Duck, 11; Canvas-back, 9; Lesser Scaup, 710; scaup (sp.), 3430; Am. Golden-eye, 53; Buffle-head, 26; **Old-squaw,** 1; **Am. Scoter,** 3 (carefully identified in same area by 2 separate parties); Ruddy Duck, 34; Hooded Merganser, 33; Red-breasted Merganser, 65; duck (sp.), 700; Turkey Vulture, 72; Black Vulture, 5; Sharp-shinned Hawk, 1; Cooper's Hawk, 5; Red-tailed Hawk, 3; Red-shouldered Hawk, 7; Bald Eagle, **10**; Marsh Hawk, 14; Pigeon Hawk, 1; Sparrow Hawk, 12; Bob-white, 3; Clapper Rail, 3; Virginia Rail, 2; Sora, 4; Am. Coot, 440; Piping Plover, 6; Snowy Plover, 2; Ringed Plover, 25; Killdeer, 63; Black-bellied Plover, 32; Ruddy Turnstone, 9; Wilson's Snipe, 6; Spotted Sandpiper, 1; Willet, 16; Greater Yellow-legs, 22; **Lesser Yellow-legs,** 1; Least Sandpiper, 16; Red-backed Sandpiper, 330; Semipalmated Sandpiper, 28; Western Sandpiper, 3; Sanderling, 65; small sandpipers (sp.), 250; Herring Gull, 185; Ring-billed Gull, 350; Laughing Gull, 13; Bonaparte's Gull, **8**; Forster's Tern, 60; Royal Tern, 30; Caspian Tern, 1; Black Skimmer, 16; Mourning Dove, 5; Ground Dove, 10; Horned Owl, 2; Barred Owl, 3; Belted Kingfisher, 26; Yellow-shafted Flicker, 23; Pileated Woodpecker, 6; Red-bellied Woodpecker, 39; Red-headed Woodpecker, 7; Yellow-bellied Sapsucker, 16; Hairy Woodpecker, 5; Downy Woodpecker, 12; Red-cockaded Woodpecker, **8**; Eastern Phoebe, 41; Tree Swallow, 1; Blue Jay, 41; Am. Crow, 162; Fish Crow, 4; Carolina Chickadee, 53; Tufted Titmouse, 44; Brown-headed Nuthatch, 37; Brown Creeper, 1; House Wren, 16; Winter Wren, 4; Carolina Wren, 24; Long-billed Marsh Wren, 5; Short-billed Marsh Wren, **17**; Mockingbird, 124; Catbird, 17; Brown Thrasher, 31; Am. Robin, **1645**; Hermit Thrush, 22; Eastern Bluebird, **210**; Blue-gray Gnatcatcher, 5; Ruby-crowned Kinglet, 102; Cedar Waxwing, **310**; Loggerhead Shrike, 6; White-eyed Vireo, 4; Solitary Vireo, **10**; Black and White Warbler, **8**; Orange-crowned Warbler, 3; Myrtle Warbler, 1070; Yellow-throated Warbler, 5; Pine Warbler, 17; Palm Warbler, 10; Common Yellowthroat, 11; House Sparrow, 96; Eastern Meadowlark, 15; Red-winged Blackbird, 430; Boat-tailed Grackle, 95; Purple Grackle, 120; Cardinal, 71; **Purple Finch,** 1; Am. Goldfinch, 120; Eastern Towhee, 79; Savannah Sparrow, 11; Sharp-tailed Sparrow, 4; Seaside Sparrow, 6; Vesper Sparrow, 70; Slate-colored Junco, 4; Chipping Sparrow, 25; Field Sparrow, 75; White-throated Sparrow, 90; Swamp Sparrow, 28; Song Sparrow, 13. **Total,** 136 species; about 16,512 individuals.—Benjamin J. Berkowitz (compiler), Sylvia Berkowitz, Donald W. Dery, Barbara Lund, Robert T. Lynn, William Reese, Henry M. Stevenson, Marvin Wass, Lovett Williams, Karl Zerbe, Marion Zerbe.

204. Pensacola, Fla. (same area as for many years

with addition of southern 3 miles of Garcon Pt. south of Milton, all within 15-mile diameter; city and suburban 8%, bay shores and open bay 21%, scrub oak 2%, mature Live Oak, and deciduous woods 20%, pine woods 16%, pasture and cut-over woods 21%, wooded swamps 2%, fresh-water ponds 4%, salt and brackish marsh 4%, Gulf beach and dunes 2%).—Jan. 2; 6 a.m. to 6 p.m. Partly cloudy; temp. 46° to 67°; wind variable, 7 (max.) m.p.h.; ground very dry after prolonged drought, ponds low or non-existent. Sixteen observers in 4 parties. Total party-hours, 41 (24 on foot, 17 by car); total party-miles, 220 (21 on foot, 199 by car). Common Loon, 63; Horned Grebe, 65; Pied-billed Grebe, 28; Brown Pelican, 112; Gannet, 11; Double-crested Cormorant, 125; Great Blue Heron, 13; Pintail, 1; Redhead, 15; Canvas-back, 16; **Greater Scaup,** 19 (carefully studied); Lesser Scaup, 302; Am. Golden-eye, 6; Buffle-head, 4; **Surf Scoter,** 1 (D.E.D., A.M.M., B.L.M.); Red-breasted Merganser, 104; Turkey Vulture, 13; Black Vulture, 2; Red-tailed Hawk, 4; Bald Eagle, 2; Marsh Hawk, 10; Pigeon Hawk, 3; Sparrow Hawk, 45; Clapper Rail, 2; Piping Plover, 8; Ringed Plover, 4; Killdeer, 110; Black-bellied Plover, 27; Wilson's Snipe, 9; Willet, 2; Red-backed Sandpiper, 23; Sanderling, 98; Herring Gull, 149; Ring-billed Gull, 310; Laughing Gull, 117; Bonaparte's Gull, 205; Forster's Tern, 63; Common Tern, 8; Royal Tern, 47; Black Skimmer, 17; Mourning Dove, 63; Screech Owl, 1; Belted Kingfisher, 12; Yellow-shafted Flicker, 35; Pileated Woodpecker, 1; Red-bellied Woodpecker, 33; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 10; Downy Woodpecker, 6; Red-cockaded Woodpecker, 1; Eastern Phoebe, 26; Blue Jay, 147; Am. Crow and Fish Crow, 668; Carolina Chickadee, 11; Tufted Titmouse, 34; Brown-headed Nuthatch, 3; Brown Creeper, 1; House Wren, 14; Winter Wren, 2; Bewick's Wren, 3; Carolina Wren, 13; Long-billed Marsh Wren, 29; Short-billed Marsh Wren, 17; Mockingbird, 99; Brown Thrasher, 16; Am. Robin, 1970; Hermit Thrush, 17; Eastern Bluebird, 67; Blue-gray Gnatcatcher, 11; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 61; Water Pipit, 103; Cedar Waxwing, 9; Loggerhead Shrike, 39; Common Starling, 477; White-eyed Vireo, 2; Solitary Vireo, 3; Black and White Warbler, 2; Orange-crowned Warbler, 4; Myrtle Warbler, 533; Yellow-throated Warbler, 1; Pine Warbler, 23; Palm Warbler, 33 (2 races); Common Yellowthroat, 3; House Sparrow, 41; Eastern Meadowlark, 131; Red-winged Blackbird, 7658; Purple Grackle, 105; Brown-headed Cowbird, 20; **Western Tanager,** 1 (carefully identified—L.E.P.); Cardinal, 39; Purple Finch, 3; Am. Goldfinch, 79; Eastern Towhee, 69; Savannah Sparrow, 33; **Leconte's Sparrow, 5** (2 collected); **Henslow's Sparrow,** 1; Sharp-tailed Sparrow, 1; Seaside Sparrow, 16; Vesper Sparrow, 65; Pine-woods Sparrow, 1; Slate-colored Junco, 7; Chipping Sparrow, 38; Field Sparrow, 55; White-throated Sparrow, 495; Swamp Sparrow, 32; Song Sparrow, 11. **Total,** 108 species (1 additional subspecies); about 15,689 individuals. (Seen in area during count period: Am. Bittern, **Old-squaw,** Hooded Merganser, Red-shouldered Hawk, **Western Meadowlark,** latter a specimen, addition to Florida list—B.L.M.)—Betty S. Atkinson, Frank Bray, Frank Bray, Jr., Occie Clubbs, Donald E. Dallas, Jr., Lyman E. Goodnight, David Hill, Angus M. McMillan, Jr., Burt L. Monroe, Jr., Lennie E. Pate, Alan C. Sheppard, Maleta M. Wernicke, Francis M. Weston (compiler), Geneva W. Weston, A. Frederick Wicke, Jr., Virginia Wicke.

205. St. Marks, Fla. (circle as in 1954, but coverage somewhat different; bay shores 8%, fresh-water and brackish lakes and ponds 4%, rivers [by boat] 5%, bays and harbors [by boat] 3%, fresh-water marshes 10%, salt marshes 6%, cypress-gum swamps 5%, fields and pastures 5%, pine woods 10%, mixed woods 19%, hardwood forests 12%, residential sections 3%, roadside [by car] 10%).—Dec. 29; 6:15 a.m. to 7 p.m. Partly cloudy, light rain before dawn; temp. 48° to 63°; wind NE, 5-15 m.p.h.; water levels extremely low from record-breaking 2-year drought. Thirteen observers in 7-9 parties. Total party-hours, 85¼ (68¾ on foot, 8½ by car, 8 by boat); total party-miles, 257 (62 on foot, 175 by car, 20 by boat). Common Loon, 29; Horned Grebe, **90**; Pied-billed Grebe, 77; White Pelican, 1; Brown Pelican, 4; Double-crested Cormorant, 204; Water-turkey, **39**; Great Blue Heron, 31; Am. Egret, 82; Snowy Egret, 40; Louisiana Heron, 17; Little Blue Heron, 19; Black-crowned Night Heron, 10; Canada Goose, 5000; Mallard, 100; Black Duck, 60; Gadwall, 110; Am. Widgeon, 38; Pintail, 490; Green-winged Teal, 385; Blue-winged Teal, 11; Shoveller, 37; Wood Duck, **515**; Redhead, 160; Ring-necked Duck, 120; Canvas-back, 48; Greater Scaup, 2; Lesser Scaup, 90; scaup (sp.), 1385; Am. Golden-eye, 50; Buffle-head, 42; Ruddy Duck, 90; Hooded Merganser, 29; **Am. Merganser,** 2 (K.Z., L.W.); Red-breasted Merganser, 125; Turkey Vulture, 125; Black Vulture, 95; Sharp-shinned Hawk, 5; Cooper's Hawk, 2; Red-tailed Hawk, 11; Red-shouldered Hawk, 24; Bald Eagle, **16**; Marsh Hawk, 20; Osprey, 2; Sparrow Hawk, 13; Bob-white, 21; Turkey, 2; Limpkin, 6; Clapper Rail, 11; Virginia Rail, 2; Sora, 7; Florida Gallinule, 20; Am. Coot, 1660; Am. Oyster-catcher, 2; Ringed Plover, 17; Killdeer, 35; Black-bellied Plover, 50; Ruddy Turnstone, 28; Wilson's Snipe, 55; **Hudsonian Curlew,** 2 (carefully identified); Willet, 215; Greater Yellow-legs, 4; Least Sandpiper, 2; Red-backed Sandpiper, 290; Dowitcher, 17; Semi-palmated Sandpiper, 8; Western Sandpiper, 5; small sandpipers (sp.), 600; Herring Gull, 28; Ring-billed Gull, 315; Laughing Gull, 18; Forster's Tern, 9; **Common Tern,** 3 (W.R.); Royal Tern, 7; Black Skimmer, 1; Mourning Dove, 4; Ground Dove, 11; Horned Owl, 4; Barred Owl, 4; **Whip-poor-will,** 1; Belted Kingfisher, 50; Yellow-shafted Flicker, 138; Pileated Woodpecker, **30**; Red-bellied Woodpecker, 64; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, **33**; Downy Woodpecker, 24; Red-cockaded Woodpecker, **9**; Eastern Phoebe, 71; Tree Swallow, 315; Blue Jay, **160**; Am. Crow, 190; Fish Crow, 115; Carolina Chickadee, 90; Tufted Titmouse, 59; Brown-headed Nuthatch, 10; Brown Creeper, 2; House Wren, 15; Winter Wren, 3; Carolina Wren,

39; Long-billed Marsh Wren, 8; Short-billed Marsh Wren, 12; Mockingbird, 220; Catbird, 33; Brown Thrasher, 88; Am. Robin, **2300**; Hermit Thrush, 55; Eastern Bluebird, 170; Blue-gray Gnatcatcher, 24; Ruby-crowned Kinglet, 166; Water Pipit, 75; Cedar Waxwing, 360; Loggerhead Shrike, 18; Common Starling, 3; White-eyed Vireo, 5; Solitary Vireo, 17; Black and White Warbler, 15; Orange-crowned Warbler, 8; Myrtle Warbler, 1120; Yellow-throated Warbler, 2; Pine Warbler, 8; Palm Warbler, 4; Common Yellowthroat, 60; **Yellow-breasted Chat,** 1 (carefully studied—K.Z., M.Z., L.W.); House Sparrow, 30; Eastern Meadowlark, 70; Red-winged Blackbird, 3200; Rusty Blackbird, 7; Boat-tailed Grackle, 103; Purple Grackle, 6; Cardinal, **220**; Purple Finch, **40**; Am. Goldfinch, 126; Eastern Towhee, 282; Savannah Sparrow, 54; Sharp-tailed Sparrow, 14; Seaside Sparrow, 8; Vesper Sparrow, **142**; Slate-colored Junco, 3; Chipping Sparrow, 22; Field Sparrow, 36; White-throated Sparrow, 620; Swamp Sparrow, 63; Song Sparrow, 44. **Total,** 142 species; about 24,591 individuals.—Benjamin J. Berkowitz, Sylvia Berkowitz, Oscar Hawksley, Robert J. Lemaire, Barbara Lund, Robert T. Lynn, Charles P. Preston, William D. Reese, Henry M. Stevenson (compiler), Marvin L. Wass, Lovett E. Williams, Karl Zerbe, Marion Zerbe.

206. St. Petersburg, Fla. (Pinellas Peninsula south of Largo; salt and fresh-water shores 55%, field and marsh 10%, woods 20%, roadsides 10%, pastures 5%).—Dec. 26; 7 a.m. to 5:30 p.m. Cloudy, clearing at noon, some fog; temp. 65° to 73°; wind SW to NW 0-5 m.p.h. Twenty-nine observers in 11 parties. Total party-hours, 90¾ (48½ on foot, 42¼ by car); total party-miles, 314 (40 on foot, 274 by car). Common Loon, 9; Horned Grebe, 9; Pied-billed Grebe, 72; Brown Pelican, 864; Double-crested Cormorant, 202; Water-turkey, 20; Great Blue Heron, 35; Am. Egret, 93; Snowy Egret, 39; Louisiana Heron, 39; Little Blue Heron, 58; Green Heron, 8; Black-crowned Night Heron, 1; Yellow-crowned Night Heron, 13; Wood Ibis, 4; White Ibis, 165; Black Duck, 1; Gadwall, 3; Blue-winged Teal, 6; Redhead, 3; Ring-necked Duck, 88; Lesser Scaup, 1762; Ruddy Duck, 7; Hooded Merganser, 1; Red-breasted Merganser, 40; Turkey Vulture, 83; Black Vulture, 30; Cooper's Hawk, 4; Red-tailed Hawk, 7; Red-shouldered Hawk, 4; Bald Eagle, 16; Marsh Hawk, 13; Pigeon Hawk, 1; Sparrow Hawk, 54; Bob-white, 100; **Sandhill Crane,** 2 (AD); Clapper Rail, 3; Sora, 2; Florida Gallinule, 45; Am. Coot, 126; **Am. Oyster-catcher, 12**; Ringed Plover, 45; Wilson's Plover, 20; Killdeer, 151; Black-bellied Plover, 18; Ruddy Turnstone, 74; Wilson's Snipe, 7; **Hudsonian Curlew,** 1; Spotted Sandpiper, 11; Willet, 69; Lesser Yellow-legs, 8; Red Knot, 102; **Purple Sandpiper,** 1 (carefully studied at 15 ft.—Lt. Col. and Mrs. D.); Least Sandpiper, 7; Red-backed Sandpiper, 52; Dowitcher, 86; Semipalmated Sandpiper, 19; Western Sandpiper, 29; Marbled Godwit, 4; Sanderling, 966; Herring Gull, 334; Ring-billed Gull, 3392; Laughing Gull, 345; Forster's Tern, 75; Royal Tern, 255; Cabot's Tern, 52; Caspian Tern, 1; Black Skimmer, 1120; Mourning Dove, 790; Ringed Turtle Dove, 3; Ground Dove, 57; Barred Owl, 1; Belted Kingfisher, 49; Yellow-shafted Flicker, 29; Red-bellied Woodpecker, 62; Red-headed Woodpecker, 5; Yellow-bellied Sapsucker, 3; Downy Woodpecker, 2; Eastern Phoebe, 27; Tree Swallow, 1; Blue Jay, 103; Fish Crow, 766; Tufted Titmouse, 1; Brown-headed Nuthatch, 2; House Wren, 4; Carolina Wren, 6; Long-billed Marsh Wren, 2; Short-billed Marsh Wren, 3; Mockingbird, 208; Catbird, 17; Brown Thrasher, 2; Am. Robin, 1484; Olive-backed Thrush, 1 (H.S.S.); [no details—Ed.]; Hermit Thrush, 1; Eastern Bluebird, 25; Blue-gray Gnatcatcher, 50; Ruby-crowned Kinglet, 2; Water Pipit, 3; Loggerhead Shrike, 95; Common Starling, 13; Black and White Warbler, 1; Myrtle Warbler, 1581; Pine Warbler, 2; Prairie Warbler, 14; Palm Warbler, 108; Oven-bird, 1; Common Yellowthroat, 29; House Sparrow, 263; Eastern Meadowlark, 107; Red-winged Blackbird, 1700; Boat-tailed Grackle, 172; Purple Grackle, 268; Brown-headed Cowbird, **300**; Summer Tanager, 1 [no details—Ed.]; Cardinal, 26; Am. Goldfinch, 114; Eastern Towhee, 85; Savannah Sparrow, 9; White-throated Sparrow, 3; Swamp Sparrow, 5; Song Sparrow, 2. **Total,** 121 species; about 19,896 individuals. (60 White Pelicans seen week of count.) —Mr. and Mrs. E. J. Buchwald, Lt. Col. and Mrs. Dawson, Albert Dietrich, Mr. and Mrs. D. Dodd, Rev. Charles Dopp, Mrs. C. Forsyth, Mrs. A. Hall, Mrs. B. Hanrahan, Winnie Horne, Evie Kelley, Elizabeth Leach, Christie Mason, Mrs. H. R. Mills, Mrs. J. Morrison, W. C. Nolting, H. E. Piper, Mrs. H. Pomeroy, Mrs. Quackenbush, Mr. and Mrs. Rice, Mrs. H. Rutherford, H. S. Slocum, Mr. and Mrs. Stevens, Marie Willson, Olga Zurcher.

207. Sarasota, Fla. (7½-mile radius same as 1954 but north area more thoroughly covered; gulf beach 11%, bay shore 22%, residential 10%, pine woods 6%, mixed woods 6%, fresh-water ponds 5%, ranches and farmlands 40%).—Dec. 26; 5 a.m. to 6 p.m. Cloudy to partly cloudy; temp. 62° to 72°; wind W, 3 m.p.h.. Twelve observers in 4 parties. Total party-hours, 37 (14 on foot, 22 by car, 1 by boat); total party-miles, 129 (16 on foot, 110 by car, 3 by boat). Common Loon, 12; Horned Grebe, 3; Pied-billed Grebe, 13; White Pelican, 18; Brown Pelican, 200+; Double-crested Cormorant, 105; Water-turkey, 13; Great Blue Heron, 24; Am. Egret, 42; Snowy Egret, 88; Louisiana Heron, 11; Little Blue Heron, 66; Green Heron, 1; Yellow-crowned Night Heron, 1; Am. Bittern, 1; Wood Ibis, 1; White Ibis, 34; Mottled Duck, 16; Green-winged Teal, 6; Blue-winged Teal, 9; Ring-necked Duck, 8; **Greater Scaup,** 2 (males carefully identified); Lesser Scaup, 109; Ruddy Duck, 1; Hooded Merganser, 25; Red-breasted Merganser, 103; Turkey Vulture, 7; Black Vulture, 18; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 9; Bald Eagle, 5; Marsh Hawk, 6; Sparrow Hawk, 24; Bob-white, 73; Sandhill Crane, 15; Florida Gallinule, 16; Am. Coot, 47; Piping Plover, 6; Snowy Plover, 2; Ringed Plover, 14; Wilson's Plover, 17; Killdeer, 36; Black-bellied Plover, 57; Ruddy Turnstone, 28;

Wilson's Snipe, 33; Spotted Sandpiper, 4; Willet, 59; Greater Yellow-legs, 1; Lesser Yellow-legs, 5; Red Knot, 43; Least Sandpiper, 12: Red-backed Sandpiper, 350; Dowitcher, 100+; Semipalmated Sandpiper, 61; Western Sandpiper, 26; **Marbled Godwit,** 1 (in same area for 2 months); Sanderling, 200; Herring Gull, 65; Ring-billed Gull, 340; Laughing Gull, 185; Forster's Tern, 58; **Common Tern,** 1 (C.R.); Royal Tern, 250; Cabot's Tern, 40; Caspian Tern, 3; Black Skimmer, 270; Mourning Dove, 249; Ground Dove, 74; Screech Owl, 2; Horned Owl, 1; Barred Owl, 8; Belted Kingfisher, 29; Yellow-shafted Flicker, 47; Pileated Woodpecker, 2; Red-bellied Woodpecker, 37; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 5; Downy Woodpecker, 10; **Crested Flycatcher,** 1 (carefully studied at 15 ft.—Mrs. J.B.P.); Eastern Phoebe, 20; Tree Swallow, 1640; Blue Jay, 72; Scrub Jay, 1; Am. Crow, 10; Fish Crow, 22; Tufted Titmouse, 8; Brown-headed Nuthatch, 3; House Wren, 5; Carolina Wren, 6; Long-billed Marsh Wren, 2; Mockingbird, 163; Catbird, 33; Brown Thrasher, 2; Am. Robin, 1330; Hermit Thrush, 2; Eastern Bluebird, 56; Blue-gray Gnatcatcher, 19; Ruby-crowned Kinglet, 8; Water Pipit, 14; Cedar Waxwing, 35; Loggerhead Shrike, 51; Common Starling, 8; White-eyed Vireo, 2; Solitary Vireo, 8; Black and White Warbler, 5; Orange-crowned Warbler, 1; Myrtle Warbler, 450; Yellow-throated Warbler, 1; Pine Warbler, 6; Prairie Warbler, 1; Palm Warbler, 93 (Yellow Palm, 1); Common Yellowthroat, 12; House Sparrow, 205; Eastern Meadowlark, 146; Red-winged Blackbird, 1165; Boat-tailed Grackle, 59; Purple Grackle, 194; Brown-headed Cowbird, 57; Cardinal, 49; Painted Bunting, 2; **Dickcissel,** 1 (at Platt feeder 3 winters); Am. Goldfinch, 97; Eastern Towhee, 33 (some Red-eyed); Savannah Sparrow, 64; Chipping Sparrow, 78; Swamp Sparrow, 4; Song Sparrow, 1. **Total,** 129 species (2 additional subspecies); about 10,114 individuals.—Mrs. Leon H. Brown, George Dillman, Mrs. Gilbert Herringshaw, Mr. and Mrs. Lawrence K. Jennings, Mr. and Mrs. Joshua B. Platt, Charles P. Preston and Chandler Robbins, Jr. (compilers), C. Putnam Preston, Frances Robbins, Wilbur F. Smith.

208. Tallahassee, Fla. (circle as in 1954, but coverage somewhat different; open shores of lakes and ponds 13%, wooded shores of lakes and ponds 1%, marshes 1%, swamps [now dry] 2%, cultivated fields 4%, pastures and old fields 19%, pine woods 20%, deciduous woods 16%, residential sections 7%, roadside [by car] 17%).—Jan. 2; 6 a.m. to 6:55 p.m. Clear; temp. 28° to 66°; wind NW, 2-6 m.p.h.; water levels extremely low due to record-breaking 2-year drought. Thirteen observers in 6-7 parties. Total party-hours, 63 (52¼ on foot, 10¾ by car); total party-miles, 254 (35 on foot, 219 by car). Horned Grebe, 3; Pied-billed Grebe, 20; Double-crested Cormorant, 7; Great Blue Heron, **102**; Am. Egret, 111; Canada Goose, 195; Mallard, 140; Black Duck, 2; Gadwall, 4; Am. Widgeon, 113; Pintail, 25; Green-winged Teal, 104; Blue-winged Teal, 4; Shoveller, 9; Ring-necked Duck, 330; Canvas-back, 1; Lesser Scaup, 54; Buffle-head, 7; Ruddy Duck, 30; Hooded Merganser, 111; **Am. Merganser,** 2 (K.Z., M.Z.); Turkey Vulture, 65; Black Vulture, 27; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 14; Red-shouldered Hawk, 15; **Rough-legged Hawk,** 1 (carefully identified—K.Z., M.Z., L.W.); Bald Eagle, 5; Marsh Hawk, 3; Sparrow Hawk, 24; Bob-white, 75; **Sandhill Crane,** 1; Sora, 2; Am. Coot, 17; Killdeer, 180; Wilson's Snipe, 14; Spotted Sandpiper, 1; Greater Yellow-legs, 6; Least Sandpiper, 185; Red-backed Sandpiper, 2; Semipalmated Sandpiper, 6; **Western Sandpiper,** 3; Herring Gull, 5; Ring-billed Gull, 150; Forster's Tern, 17; Mourning Dove, 180; Ground Dove, 5; Horned Owl, 2; Barred Owl, 7; Belted Kingfisher, 7; Yellow-shafted Flicker, 111; Pileated Woodpecker, **22**; Red-bellied Woodpecker, 58; Red-headed Woodpecker, **75**; Yellow-bellied Sapsucker, **33**; Hairy Woodpecker, 4; Downy Woodpecker, 17; Red-cockaded Woodpecker, 4; Eastern Phoebe, 76; Tree Swallow, 2; Blue Jay, **202**; Am. Crow, 147; Fish Crow, 3; Carolina Chickadee, 73; Tufted Titmouse, 51; White-breasted Nuthatch, 3; Brown-headed Nuthatch, 19; Brown Creeper, 1; House Wren, 34; Winter Wren, 3; Carolina Wren, 82; Long-billed Marsh Wren, 1; Mockingbird, 128; Catbird, 3; Brown Thrasher, 42; Am. Robin, **910**; Hermit Thrush, 53; Eastern Bluebird, **360**; Blue-gray Gnatcatcher, 8; Ruby-crowned Kinglet, 119; Water Pipit, 260; Cedar Waxwing, 100; Loggerhead Shrike, 34; Common Starling, 8; White-eyed Vireo, 2; Solitary Vireo, 4; Black and White Warbler, 3; Orange-crowned Warbler, 5; Myrtle Warbler, 400; Yellow-throated Warbler, 2; Pine Warbler, 64; Palm Warbler, 26; Common Yellowthroat, 21; House Sparrow, 210; Eastern Meadowlark, 335; Red-winged Blackbird, 1490; oriole (sp.), 1; Rusty Blackbird, 1; Purple Grackle, 120; Cardinal, **262**; Purple Finch, **30**; Pine Siskin, 1; Am. Goldfinch, 220; Eastern Towhee, 197; Savannah Sparrow, **86**; Vesper Sparrow, 90; Pine-woods Sparrow, 1; Slate-colored Junco, 4; Chipping Sparrow, 85; Field Sparrow, 120; White-throated Sparrow, 650; Swamp Sparrow, 53; Song Sparrow, 35. **Total,** 114 species; about 9959 individuals.—Benjamin J. Berkowitz (compiler), Sylvia Berkowitz, Barbara Lund, Billie Lynn, Robert T. Lynn, William Rankin, William D. Reese, Henry M. Stevenson, Lorna Wass, Marvin Wass, Lovett E. Williams, Karl Zerbe, Marion Zerbe.

209. Titusville—Merritt Island, Fla. (15-mile diameter from ocean to 3 miles west of Indian River City, north-south diameter through Merritt Island; beach 1%, lagoons and ponds with adjacent marshlands 60%, pinelands 8%, scrub 4%, palmetto 2%, Indian River shores 25%).—Dec. 27; 7 a.m. to 5 p.m. Overcast, rain from 11 a.m. to 5 p.m.; temp. 57° to 67°; wind NW to NE, 4-16 m.p.h.. Seven observers in 3 parties. Total party-hours, 30 (14 on foot, 6 by car, 10 by boat);; total party-miles, 112 (12 on foot, 90 by car, 10 by boat). Common Loon, 3; Horned Grebe, 12; Pied-billed Grebe, 95; White Pelican, 1; Brown Pelican, 14; Double-crested Cormorant, 13; Great Blue Heron, 19; Am. Egret, 69; Snowy Egret, 15; Louisiana Heron, 11; Little Blue

Heron, 16; Green Heron, 1; Wood Ibis, 23; White Ibis, 96; Am. Widgeon, 175; Pintail, 103; Blue-winged Teal, 1; Ring-necked Duck, 256; Lesser Scaup, 4289; Hooded Merganser, 3; Turkey Vulture, 22; Red-tailed Hawk, 1; Red-shouldered Hawk, 3; Bald Eagle, 1; Marsh Hawk, 10; Osprey, 2; Sparrow Hawk, 17; Bob-white, 2; King Rail, 3; Clapper Rail, 2; Sora, 8; Florida Gallinule, 6; Am. Coot, 2337; Ringed Plover, 3; Killdeer, 23; Black-bellied Plover, 6; Ruddy Turnstone, 7; Wilson's Snipe, 14; Spotted Sandpiper, 1; Greater Yellow-legs, 11; Lesser Yellow-legs, 4; Red-backed Sandpiper, 3; Sanderling, 5; Herring Gull, 41; Ring-billed Gull, 56; Bonaparte's Gull, 1; Forster's Tern, 10; Royal Tern, 12; Caspian Tern, 3; Black Skimmer, 3; Ground Dove, 3; Belted Kingfisher, 16; Yellow-shafted Flicker, 11; Red-bellied Woodpecker, 5; Eastern Phoebe, 22; **Eastern Kingbird,** 1 (certain of identification; familiar with Gray, Western and Eastern—L.C., J.H.); Tree Swallow, 8; Blue Jay, 14; Scrub Jay, 13; Fish Crow, 240; Tufted Titmouse, 2; House Wren, 13; Carolina Wren, 7; Mockingbird, 20; Catbird, 12; Brown Thrasher, 2; Am. Robin, 490; Eastern Bluebird, 14; Blue-gray Gnatcatcher, 7; Ruby-crowned Kinglet, 5; Cedar Waxwing, 9; Loggerhead Shrike, 8; White-eyed Vireo, 3; Black and White Warbler, 1; Myrtle Warbler, 186; **Blackburnian Warbler,** 1 (male seen by L.N., J.H.); Yellow-throated Warbler, 2; Palm Warbler, 85; Common Yellowthroat, 16; Eastern Meadowlark, 12; Red-winged Blackbird, 284; Boat-tailed Grackle, 169; Purple Grackle, 4; Cardinal, 22; Am. Goldfinch, 17; Eastern Towhee, 17; Savannah Sparrow, 6; Chipping Sparrow, 3; Swamp Sparrow, 2; Song Sparrow, 3. **Total,** 90 species; about 9587 individuals.—W. M. Davidson (compiler), John Hall, Mildred Lind, Lucille Norton, Hall Tennis, Doris Thompsen, Miriam Vinup.

210. Ashland, Ohio (regular area at Charles Mill Dam Reservoir; deciduous woods 40%, waste fields 25%, cultivated fields 5%, marsh and bushy swamps 20%, roadsides 8%, pine plantings 2%).—Jan. 1; 7:30 a.m. to 4:30 p.m. Clear; temp. 18° to 35°; wind NE, 0-5 m.p.h.; ground bare, lake frozen. Seventeen observers in 4 parties. Total party-hours, 30; total party-miles, 38. Mallard, 2; Black Duck, 30; Am. Golden-eye, 1; Hooded Merganser, 3; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 1; Bob-white, 104; Ring-necked Pheasant, 2; Wilson's Snipe, 1; Mourning Dove, 16; Belted Kingfisher, 12; Yellow-shafted Flicker, 2; Pileated Woodpecker, 4; Red-bellied Woodpecker, 25; Red-headed Woodpecker, 2; Hairy Woodpecker, 8; Downy Woodpecker, 54; Horned Lark, 21; Blue Jay, 33; Am. Crow, 2; Black-capped Chickadee, 81; Tufted Titmouse, 115; White-breasted Nuthatch, 63; Brown Creeper, 15; Winter Wren, 1; Carolina Wren, 9; Am. Robin, 49; Eastern Bluebird, 20; Golden-crowned Kinglet, 6; Common Starling, 142; House Sparrow, 76; Eastern Meadowlark, 1; Cardinal, 66; Purple Finch, 15; Am. Goldfinch, 28; Eastern Towhee, 2; Slate-colored Junco, 109; Am. Tree Sparrow, 267; White-throated Sparrow, 1; Swamp Sparrow, 19; Song Sparrow, 84. **Total** 44 species; about 1497 individuals.—Joseph A. Beatty, Byron Burnett, Paul D. Harwood, Burton C. Kahl (compiler), S. M. Martin, John McCarter, Maurice R. Newkirk, Jon Nicodemus, Jim Reuss, C. S. Ross, Jon Shidler, Paul Thornburg, Thomas Thornburg, John Tilton, Steve Webster, Robert W. Wolfgang, Joe Yeagle.

211. Ashtabula, Ohio (Lake Erie shore from west of Ashtabula to Conneaut, lake plain inland 4 miles, equal area of uplands farther south; habitat coverage as in previous years).—Dec. 24; 7 a.m. to 6 p.m.; temp. 16° to 28°; wind NW, 15-32 m.p.h.; ponds frozen, rapid streams and most of Lake Erie unfrozen, ground bare at start. 2-in. snow at end. Eighteen observers in 9 parties. Total party-hours, 34 (20 on foot, 14 by car); total party-miles, 176 (26 on foot, 150 by car). Horned Grebe, 1; **Black-crowned Night Heron,** 1; Mallard, 19; Black Duck, 117; Redhead, 9; Ring-necked Duck, 1; Canvas-back, 32; Lesser Scaup, 17; Am. Golden-eye, 148; Bufflehead, 16; Am. Merganser, 172; Red-breasted Merganser, 5; Cooper's Hawk, 1; Red-tailed Hawk, 4; Marsh Hawk, 2; Sparrow Hawk, 8; Ruffed Grouse, 2; Bob-white, 14; Ring-necked Pheasant, 5; Great Black-backed Gull, 2; Herring Gull, 910; Ring-billed Gull, 15; Bonaparte's Gull, 4; Mourning Dove, 12; Horned Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Pileated Woodpecker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 28; Horned Lark, 7; Blue Jay, 15; Am. Crow, 12; Black-capped Chickadee, 68; Tufted Titmouse, 11; White-breasted Nuthatch, 15; Red-breasted Nuthatch, 3; Brown Creeper, 2; Am. Robin, 239; Eastern Bluebird, 1; Golden-crowned Kinglet, 3; Cedar Waxwing, 27; **Gray Shrike,** 2 (8 others next morning); Common Starling, 238; House Sparrow, 537; Red-winged Blackbird, 4; Brown-headed Cowbird, 2; Cardinal, 107; Am. Goldfinch, 1; Slate-colored Junco, 122; Am. Tree Sparrow, 336; Song Sparrow, 9; Snow Bunting, 43. **Total,** 53 species; about 3361 individuals. (Seen recently in area: White-winged Scoter, Barn Owl, Red-bellied Woodpecker, Eastern Meadowlark, Purple Finch, Common Redpoll, Purple Grackle.)—Dorland Blackman, Bernard Budd, Audrey Claugus, Patrick Evans, Dwight Euverard, Lawrence E. Hicks (compiler), Ernie Limes, Harold Miller, John Peplinski, Ira Ringer, Lois Savage, Paul Savage, Charles Scribner, Mrs. C. S. Shiflet, John Thayer, Milton B. Trautman, Mrs. K. G. Whitting, Mrs. Frank Yocum.

212. Brecksville, Ohio (tow-path between canal and Cuyahoga River covered thoroughly, Hathaway Rd. limit north, Avery Rd. limit west, Parkview Drive limit south, Chaffee Rd. limit east).—Jan. 2; 8 a.m. to 5 p.m. Sunshine, snow flurries; temp. 31° to 35°; wind slight. Eleven observers in 5 parties. Total party-hours, 59 (24 on foot, 5 by car 4) [?—Ed.]; total party-miles, 80 (30 on foot, 5 by car 50) [?—Ed.]. Mallard, 1; Black Duck, 1; Cooper's Hawk, 1; Mourning Dove, 25; Belted Kingfisher, 2; Yellow-shafted Flicker, 2; Pileated Woodpecker, 1; Hairy Woodpecker, 9; Downy Woodpecker, 34; Blue Jay, 37; Am. Crow, 2; Black-capped Chickadee, 45; Tufted Titmouse, 10; White-breasted

Nuthatch, 19; Brown Creeper, 2; Carolina Wren, 3; Am. Robin, 9; Cedar Waxwing, 98; Common Starling, 88; Myrtle Warbler, 3; House Sparrow, 359; Cardinal, 82; Purple Finch, 5; Am. Goldfinch, 11; Slate-colored Junco, 31; Am. Tree Sparrow, 26; Song Sparrow, 12. **Total,** 27 species; about 918 individuals. —Mrs. John F. Cook, Mrs. R. R. Cull, Millicent Curtis, Diane Hostetler, L. Merle Hostetler, Mrs. L. Merle Hostetler (compiler), Mrs. R. J. Kutler, Mrs. Arthur E. Luedy, Jerry Piskac, Mrs. T. R. Rodgers, Mrs. R. J. Thayer.

213. Buckeye Lake, Ohio (same area as in past 30 years; deciduous woodlands 60%, open farmland 30%, brushy swamp and cattail marsh 10%).—Jan. 2; 7 a.m. to 5 p.m. Slight overcast a.m., heavy p.m.; temp. 29° to 45°; wind SE to SW, 10-15 m.p.h.; ground frozen until 10 a.m. and without snow, lake ice-covered except for several open holes, streams mostly open. Twenty-nine observers in 10 parties. Total party-hours, 94 (81 on foot, 13 by car); total party-miles, 229 (89 on foot, 140 by car). Horned Grebe, 1; Great Blue Heron, 3; Mallard, 1850; Black Duck, 440; Gadwall, 1; Am. Widgeon, 1; Pintail, 4; Green-winged Teal, 1; Redhead, 7; Ring-necked Duck, 4; Canvas-back, 26; Lesser Scaup, 13; Am. Golden-eye, 71; Buffle-head, 4; Ruddy Duck, 1; Am. Merganser, 12; Sharp-shinned Hawk, 1; Cooper's Hawk, 9; Red-tailed Hawk, 14; Red-shouldered Hawk, 5; Rough-legged Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 29; Bob-white, 201; Ring-necked Pheasant, 4; Am. Coot, 1; Killdeer, 1; **Wilson's Snipe,** 1; Herring Gull, 1; Mourning Dove, 269; Barn Owl, 6; Screech Owl, 2; Horned Owl, 1; Barred Owl, 8; Short-eared Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 66; Pileated Woodpecker, 7; Red-bellied Woodpecker, 47; Red-headed Woodpecker, 10; **Yellow-bellied Sapsucker,** 3; Hairy Woodpecker, 16; Downy Woodpecker, 152; Horned Lark, 148; Blue Jay, 153; Am. Crow, 11; Carolina Chickadee, 155; Tufted Titmouse, 229; White-breasted Nuthatch, 75; Red-breasted Nuthatch, 1; Brown Creeper, 56; Winter Wren, 3; Carolina Wren, 27; Mockingbird, 4; Am. Robin, 180; Eastern Bluebird, 37; Golden-crowned Kinglet, 24; Cedar Waxwing, 68; Loggerhead Shrike, 2; Common Starling, 1769; Myrtle Warbler, 25; House Sparrow, 4174; Eastern Meadowlark, 52; Red-winged Blackbird, 130; Rusty Blackbird, 89; Purple Grackle, 9; Brown-headed Cowbird, 4; Cardinal, 593; Purple Finch, 5; Am. Goldfinch, 43; Eastern Towhee, 2; Slate-colored Junco, 130; Am. Tree Sparrow, 933; **White-crowned Sparrow, 4**; Swamp Sparrow, 26; Song Sparrow, 392; Snow Bunting, 24. **Total,** 77 species (1 additional subspecies); about 12,879 individuals. (White-winged Scoter, Water Pipit, Fox Sparrow seen during count period.)—David F. Baker, Arthur C. Borror, Donald J. Borror, Harold E. Burtt, Kermit Casdorph, Audrey H. Claugus, George Cox, Lloyd G. Evans, Gareth E. Gilbert, E. Eugene Good, Charles R. Goslin, Lawrence E. Hicks, Winn Jones, Irving Kassoy, Robert Kavanagh, Francis W. Kessler, Ernest Limes, Paul J. Miller, John N. Pattison, John W. Price, William B. Price, Ralph E. Ramey, E. F. Reichelderfer, Irving B. Rickly, Paul A. Stewart, William Stull, Edward S. Thomas, Milton B. Trautman (compiler), Walter A. Tucker (Wheaton Club and guests).

214. Bucyrus, Ohio (Kuehnle, Cook, and Rexroth farms southeast of city to intersection of Mt. Vernon Rd. and Galion Rd.; mixed deciduous woods 45%, wooded bottomlands 40%, cultivated fields 15%).—Dec. 28; 8:30 a.m. to 5 p.m.; temp. 20° to 40°; wind SE, 10 m.p.h.; ground without snow. Three observers in 1 party. Total party-hours, 8½ (8 on foot, ½ by car); total party-miles, 20 (15 on foot, 5 by car). Red-tailed Hawk, 2; Bob-white, 12; Ring-necked Pheasant, 1; Mourning Dove, 100; Horned Owl, 2; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 19; Hairy Woodpecker, 1; Downy Woodpecker, 23; Horned Lark, 16; Blue Jay, 14; Am. Crow, 1; Black-capped Chickadee, 9; Tufted Titmouse, 16; White-breasted Nuthatch, 11; Am. Robin, 11; Eastern Bluebird, 2; Common Starling, 241; House Sparrow, 325; Cardinal, 26; Am. Goldfinch, 12; Eastern Towhee, 1; Slate-colored Junco, 16; Am. Tree Sparrow, 25; Song Sparrow, 15. **Total,** 26 species; about 904 individuals.—Judith Ann Kuehnle, Paul Kuehnle (compiler), Merlin C. Probst.

215. Cadiz, Ohio (15 miles west to Tappan Lake, including same territory as past **55** years; open country and roadsides 40%, deciduous woodland 30%, stream edges 10%, lake shore 10%, pine groves 10%).—Dec. 24; 7:30 a.m. to 5:30 p.m. Partly cloudy; temp. 50° to 62°; wind S to SE, 5-10 m.p.h.; ground bare, frozen from weeks of cold, streams and lake largely frozen. Eight observers in 2 parties. Total party-hours, 16 (8 on foot, 8 by car); total party-miles, 92 (13 on foot, 79 by car). Pied-billed Grebe, 3; Great Blue Heron, 1; Mallard, 58; Black Duck, 54; Red-breasted Merganser, 1; **Goshawk,** 1 (carefully identified—D.W. party); Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 2; Sparrow Hawk, 8; Ruffed Grouse, **15**; Bob-white, 18; Am. Coot, 2; Ring-billed Gull, 3; Belted Kingfisher, 3; Yellow-shafted Flicker, 12; Pileated Woodpecker, 2; Red-bellied Woodpecker, 7; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 16; **Eastern Phoebe,** 1; Horned Lark, 2; Blue Jay, 5; Am. Crow, 14; Carolina Chickadee, 22; Tufted Titmouse, 16; White-breasted Nuthatch, 3; Brown Creeper, 1; Carolina Wren, 13; Mockingbird, 4; Am. Robin, **547**; Eastern Bluebird, 27; Cedar Waxwing, 2; Common Starling, 259; House Sparrow, 145; Red-winged Blackbird, 5; Rusty Blackbird, 103; Brown-headed Cowbird, 15; Cardinal, 32; Am. Goldfinch, 10; Eastern Towhee, 1; Slate-colored Junco, 52; Am. Tree Sparrow, 172; Song Sparrow, 16; **Total,** 45 species; about 1682 individuals. (In area count period: Killdeer, Screech Owl.)—Joseph Beatty, Mary R. Ford, Tom Ford, H. B. McConnell (55th count), L. Milton Ronsheim, John G. Worley, Clara C. Worley, David E. Worley.

216. Cincinnati, Ohio (same area as last year).—Dec. 26; 7:30 a.m. to 5:30 p.m. Partly cloudy; temp.

32° to 40°; wind E, 5-10 m.p.h.; ponds and rivers open. Fifty-one observers in 8 parties. Total party-hours, 122 (106 on foot, 16 by car); total party-miles, 419 (107 on foot, 312 by car). Canada Goose, 84; Mallard, 264; Black Duck, 93; Am. Widgeon, 1; Pintail, 1; Ring-necked Duck, 1; Canvas-back, 2; Am. Golden-eye, 15; Hooded Merganser, 4; Sharp-shinned Hawk, 3; Cooper's Hawk, 9; Red-tailed Hawk, 16; Red-shouldered Hawk, 13; Rough-legged Hawk, 1; Marsh Hawk, 7; Sparrow Hawk, 31; Bob-white, 115 (16 coveys); Am. Coot, 1; Killdeer, 6; Wilson's Snipe, 1; Herring Gull, 3; Ring-billed Gull, 7; Mourning Dove, 677; Barn Owl, 1; Barred Owl, 7; Belted Kingfisher, 13; Yellow-shafted Flicker, 108; Red-bellied Woodpecker, 102; Red-headed Woodpecker, 8; Yellow-bellied Sapsucker, 11; Hairy Woodpecker, 23; Downy Woodpecker, 342; Eastern Phoebe, 3; Horned Lark, 25; Blue Jay, 72; Am. Crow, 1497; Carolina Chickadee, **944**; Tufted Titmouse, 696; White-breasted Nuthatch, 23; Red-breasted Nuthatch, 1; Brown Creeper, 16; **House Wren**, 1 (carefully identified—D.K., E.J.); Winter Wren, 1; Carolina Wren, 231; Mockingbird, 34; Brown Thrasher, 1; Am. Robin, 230; Eastern Bluebird, 206; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 3; Cedar Waxwing, 84; Common Starling, 1305; Myrtle Warbler, 51; Palm Warbler, 2; House Sparrow, 2682; Eastern Meadowlark, 51; Red-winged Blackbird, 6; Purple Grackle, 4; Brown-headed Cowbird, 1; Cardinal, **1361**; Purple Finch, 7; Am. Goldfinch, 244; Eastern Towhee, 17; Savannah Sparrow, 1; Slate-colored Junco, 558; Am. Tree Sparrow, 491; Field Sparrow, 15; White-crowned Sparrow, 55; White-throated Sparrow, 72; Swamp Sparrow, 57; Song Sparrow, 597. **Total,** 71 species; about 13,624 individuals.—Gordon Acomb, Tom Becker, William Benway, Lulu Brand, Mr. and Mrs. Gifford Briggs, Helen Brinkman, Elizabeth Brockschlager, Mr. and Mrs. John R. Bunnell, Ralph Carpenter, Peg Chambers, Paul Feist, Harrison Field, Toby Field, Earl Floyd, Woodrow Goodpaster, Frank and Willis Harbaum, Willard Hartman, Paul Hellmann, Joseph Higgins, Ed Johnstone, Emerson Kemsies, Don Koehler, Karl Maslowski, Charles McCullough, Jr., Eleanor Morrison, Frank Neuffer, Roland Oliver, Fred Packard, Warren Parks, Grace Paull, Paul Puttman, Stanley Rowe, Jr., Stanley Rowe, Sr., Sven Sjodahl (compiler), Anna Lou Smethurst, Jim Staab, Aida, Bernice and Hester Stephenson, Erica Stux, Ida Suttman, Rev. C. J. Taylor, J. W. Taylor, William Turner, William Wagner, Charles Warnick, Virginia Watts, Mitchell Zavon (Cincinnati Bird Club and friends).

217. **Cleveland, Ohio** (same area as previous 6 years).—Dec. 26; 7:30 a.m. to 5:30 p.m. Overcast; temp. 26° to 28°; wind WNW to N, 10-17 m.p.h.; snow in patches, still water and Lake Erie near shore frozen, streams open. Thirty-eight observers in 17 parties. Total party-hours, 129 (70 on foot, 59 by car); total party-miles, 686 (103 on foot, 583 by car). Mallard, 192; Black Duck, 104; Am. Widgeon, 1; Redhead, 3; Canvas-back, 26; Greater Scaup, 9; Lesser Scaup, 26; Am. Golden-eye, 36; Ruddy Duck, 5; Am. Merganser, 5; Sharp-shinned Hawk, 2; Cooper's Hawk, 4; Red-tailed Hawk, 4; Red-shouldered Hawk, 2; Rough-legged Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 5; Broad-winged Hawk, 1 [no details, few authentic winter records for northern states—Ed.]; Ruffed Grouse, 1; Bob-white, 14; Herring Gull, 1172; Ring-billed Gull, 697; Bonaparte's Gull, 602; Mourning Dove, 39; Barred Owl, 2; **Saw-whet Owl,** 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 3; Pileated Woodpecker, 6; Red-bellied Woodpecker, 5; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 15; Downy Woodpecker, 96; Blue Jay, 107; Am. Crow, 11; Black-capped Chickadee, 211; Tufted Titmouse, 87; White-breasted Nuthatch, 86; Red-breasted Nuthatch, 15; Brown Creeper, 7; Carolina Wren, 3; Am. Robin, 144; Eastern Bluebird, 2; Golden-crowned Kinglet, 40; Cedar Waxwing, 123; Common Starling, 453; House Sparrow, 367; Cardinal, 121; Purple Finch, 2; Common Redpoll, 1; Pine Siskin, 2; Am. Goldfinch, 34; Eastern Towhee, 5; Slate-colored Junco, 221; Am. Tree Sparrow, 208; Field Sparrow, 2; Song Sparrow, 19. **Total,** 57 species; about 5357 individuals. (Seen in area count week: Hooded Merganser, Hermit Thrush, Gray Shrike.)—J. F. Akers, L. P. Barbour, M. E. Barbour, Mrs. R. V. Booth, Vera Carrothers, Leo Deininger, C. T. Downer, Elsie Erickson, Adela Gaede, Louis Gaeda, C. F. Hamann, C. K. Hamann, Stephen Harty, J. N. Henderson, R. W. Hill, D. M. McConoughey, F. P. McConoughey, L. M. Maly, Robert Maly, T. W. Mastin, M. E. Perner, Jerry Piskac, Marjorie Ramisch, B. C. Raynes, Margaret Raynes, M. B. Skaggs, Ray Smiley, Paul Smith, Mike Stasko, Susan Storer, Bob Sullivan, David Swetland, Carol Tefft, Clark Tefft, Elliot Tramer, Ann Uible, Richard Ullman, A. E. Valentine (Kirtland Bird Club and guests).

218. **Columbus, Ohio** (7½-mile radius centering near Fifth and Cassady Aves.; farmland 45%, town suburbs 18%, woodland 17%, wooded stream bank 17%, open grove 3%).—Dec. 26; 7 a.m. to 5 p.m. Cloudy until 10 a.m., clear thereafter; temp. 29° to 38°; wind NNW, 8-12 m.p.h.; ground bare, streams mostly frozen. Thirty observers in 8 parties, these subdividing on occasion. Total party-hours, 86 (74 on foot, 12 by car); total party-miles, 268 (82 on foot, 186 by car). **Black-crowned Night Heron,** 4; Mallard, 129; Black Duck, 400; Pintail, 1; Redhead, 3; Canvas-back, 1; Am. Golden-eye, 7; Ruddy Duck, 1; Cooper's Hawk, 4; Red-tailed Hawk, 17; Red-shouldered Hawk, 7; Rough-legged Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 27; Bob-white, 93; Ring-necked Pheasant, 12; Mourning Dove, 538; Barn Owl, 3; Screech Owl, 4; Horned Owl, 2; Barred Owl, 5; **Long-eared Owl,** 2; Yellow-shafted Flicker, 91; Pileated Woodpecker, 2; Red-bellied Woodpecker, 25; Red-headed Woodpecker, 4; Hairy Woodpecker, 13; Downy Woodpecker, 175; Horned Lark, 23; Blue Jay, 98; Am. Crow, 51; Carolina Chickadee, 205; Tufted Titmouse, 202; White-breasted Nuthatch, 90; Red-breasted Nuthatch, 2; Brown Creeper, 38; Winter Wren, 8; Carolina Wren, 33; Mockingbird, 1; Am. Robin, 120; Eastern Bluebird, 43; Golden-crowned Kinglet, 5; Cedar Waxwing, 22; Common

Starling, 1649; **Myrtle Warbler, 16**; House Sparrow, 1286; Eastern Meadowlark, 9; Red-winged Blackbird, 4; Rusty Blackbird, 6; Purple Grackle, 7; Brown-headed Cowbird, 10; Cardinal, 360; **Purple Finch,** 2; Am. Goldfinch, 57; Eastern Towhee, 6; Slate-colored Junco, 531; Am. Tree Sparrow, 403; **Field Sparrow,** 2; **White-throated Sparrow,** 1; **Swamp Sparrow,** 1; Song Sparrow, 244. **Total,** 61 species; about 7108 individuals. (Seen in area during count period: Yellow-bellied Sapsucker, Palm Warbler, Pine Siskin, Red Crossbill, **Oregon Junco.**)—D. F. Baker, C. F. Bateman, A. H. Claugus, G. Cox, Sharon Damsel, R. G. Fankhauser, L. E. Hicks, Mr. and Mrs. H. I. Koehler, E. Limes, H. D. Moore, J. W. Price, W. B. Price, T. H. Reamer, C. R. Reese, Mr. and Mrs. E. F. Reichelderfer, Mr. and Mrs. I. B. Rickly, H. W. Schuer, C. B. Sloan, P. A. Stewart, Mr. and Mrs. E. S. Thomas (compilers), N. P. Thomson, Mr. and Mrs. M. B. Trautman, W. A. Tucker, Mr. and Mrs. G. S. Wolfram (Columbus Audubon Society).

219. Cuyahoga Falls, Ohio (7½-mile radius centering on the square of Cuyahoga Falls, same area as last year; deciduous woods 40%, lakes and lake shores 30%, flood plain 10%, fields 10%, swamps 8%, city streets 2%, 5 feeding stations).—Jan. 2; 7:30 a.m. to 5 p.m. Overcast nearly all day, snow flurries at intervals turning to rain by middle p.m.; temp. 22° to 36°; wind SE to SW, 0-5 m.p.h.; 1-in. snow over much of ground, Cuyahoga River and Summit Lake open, other lakes frozen. Twenty-five observers in 14 parties. Total party-hours, 47 (24 on foot, 23 by car); total party-miles. 189 (25 on foot, 164 by car). **Eared Grebe,** 1 (present 8 days, carefully identified by 12 observers); Pied-billed Grebe, 7; Mallard, 270; Black Duck, 357; Gadwall, 5; Am. Widgeon, 3; Pintail, 3; Lesser Scaup, 1; Hooded Merganser, 2; Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-shouldered Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 1; Bob-white, 18; Ring-necked Pheasant, 34; Am. Coot, 31; Mourning Dove, 40; Belted Kingfisher, 3; Hairy Woodpecker, 11; Downy Woodpecker, 66; Blue Jay, 74; Am. Crow, 12; Black-capped Chickadee, 83; Tufted Titmouse, 45; White-breasted Nuthatch, 42; Red-breasted Nuthatch, 4; Brown Creeper, 6; Am. Robin, 138; Cedar Waxwing, 167; Common Starling, 1177; House Sparrow, 963; Red-winged Blackbird, 26; Cardinal, 141; Purple Finch, 45; Pine Siskin, 12; Am. Goldfinch, 19; Eastern Towhee, 1; Slate-colored Junco, 282; Am. Tree Sparrow, 456; Field Sparrow, 1; Song Sparrow, 26. **Total,** 42 species; about 4580 individuals.—George R. Dennis, James Dennis, Ralph W. Dexter (compiler), Mr. and Mrs. C. B. Dodge, Daniel Falkner, Mrs. Lyle Ganyard, Mrs. Mary Gibson, Stephen Harty, Mrs. Paul J. Hughey, Mrs. Wilma Hull, Mrs. Eleanor Humiston, Mrs. Donato Internoscia, Mrs. Grace H. Leathers, Gertrude Rennecker, Fred S. Ruckman, Howard L. Rupert, Lulu Smith, Martin Smith, Mrs. Winan Snyder, Mr. and Mrs. Fred C. Staiger, Mrs. Thurman M. Taylor, Mr. and Mrs. George Wiley (Cuyahoga Falls Audubon Club).

220. Dayton, Ohio (nearly same area as in past 25 years).—Dec. 26; 7 a.m. to 5:30 p.m. Nearly clear; temp. 24° to 39°; wind NNE, 8-14 m.p.h.; ground dry, some ice in lakes, streams open. Thirty-five observers in 12 parties. Total party-hours, 62 (52 on foot, 10 by car); total party-miles, 181 (49 on foot, 132 by car). Pied-billed Grebe, 4; Great Blue Heron, 5; Black-crowned Night Heron, 13; Mallard, 106; Black Duck, 15; Canvas-back, 3; Lesser Scaup, 2; Am. Golden-eye, 3; Hooded Merganser, 2; Cooper's Hawk, 5; Red-tailed Hawk, 6; Red-shouldered Hawk, 6; buteo (sp.), 1; Marsh Hawk, 1; Sparrow Hawk, 10; Bob-white, 109; Ring-necked Pheasant, 10; Mourning Dove, 93; Barn Owl, 1; Screech Owl, 2; Horned Owl, 1; Long-eared Owl, 12; Belted Kingfisher, 6; Yellow-shafted Flicker, 21; Red-bellied Woodpecker, 8; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 97; Blue Jay, 47; Am. Crow, 552; Black-capped Chickadee, 28; Carolina Chickadee, 198; Tufted Titmouse, 138; White-breasted Nuthatch, 27; Red-breasted Nuthatch, 1; Brown Creeper, 14; Winter Wren, 7; Carolina Wren, 53; Mockingbird, 10; Am. Robin, 67; **Hermit Thrush,** 1; Eastern Bluebird, 3; Cedar Waxwing, 13; Common Starling, 4859 (2992 at roost); House Sparrow, 1268 (487 at roost); Eastern Meadowlark, 8; Rusty Blackbird, 1; Cardinal, 229; Purple Finch, 13; Am. Goldfinch, 39; Eastern Towhee, 5; Slate-colored Junco, 447; Am. Tree Sparrow, 182; White-throated Sparrow, 2; Song Sparrow, 99. **Total,** 54 species; about 8859 individuals. (Absence of Golden-crowned Kinglet noteworthy.)—David Beech, Skipper Behme, Edith Blincoe, B. J. Blincoe (compiler), Charles Bowie, D. Bowers, Joe Brewer, Charles Breish, Libby Caldwell, Ruth Clark, Florence Clippinger, Jack Confer, Leonard Confer, Mary Confer, Dorothea Eikenbary, Elizabeth Grill, Jim Gessman, Catherine Hadeler, Norma Hime, C. O. Horst, David Knoop, Paul Knoop, E. J. Koestner, Ned Lewis, Kenneth Meyers, Denny Prager, Robert Prager, Sybil Prager, Eva Ruhl, Bert Smith, Edna Smith, Lee Smith, Ann Tuhey, H. T. Tweedie, Andrew Woerl (Dayton Audubon Society).

221. Delaware, Ohio (same area as last year; includes only Delaware Reservoir wildlife area).—Dec. 29; 7:30 a.m. to 5 p.m. Overcast, slight drizzle p.m.; temp. 36° to 47°; wind S, 5-15 m.p.h.; ground thawed, reservoir frozen, some water accumulating on ice, open water on river below dam and on one small stream. Seventeen observers in 4 parties these subdividing at times. Total party-hours, 81 (76 on foot, 5 by car); total party-miles, 111 (51 on foot, 60 by car). **Am. Bittern,** 1; Mallard, 100; Black Duck, 200; Cooper's Hawk, 2; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Marsh Hawk, 9; Sparrow Hawk, 4; Bob-white, 78; Ring-necked Pheasant, 6; Herring Gull, 1; Ring-billed Gull, 1; Mourning Dove, 165; Barn Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 10; Red-bellied Woodpecker, 4; Hairy Woodpecker, 6; Downy Woodpecker, 61; Horned Lark, 11; Blue Jay, 50; Am. Crow, 3; Carolina Chickadee, 53; Tufted Titmouse, 59; White-breasted Nuthatch, 33; Brown Creeper, 10; Winter Wren, 1; Carolina Wren, 5; Am. Robin, 9; Golden-

crowned Kinglet, 2; Cedar Waxwing, 2; **Loggerhead Shrike,** 1 (carefully identified with telescope); Common Starling, 758; House Sparrow, 307; Eastern Meadowlark, 11; Cardinal, 71; Purple Finch, 3; Am. Goldfinch, 6; **Eastern Towhee,** 1; Slate-colored Junco, 41; Am. Tree Sparrow, 2006; **White-crowned Sparrow,** 3 (5 additional banded count period); Swamp Sparrow, **25**; Song Sparrow, 158. **Total,** 44 species; about 4285 individuals. (Seen in area during period: Short-eared Owl, Red-winged Blackbird, Rusty Blackbird, Hooded Merganser.)—Warren Bailey, Arthur C. Borror, A. S. Bradshaw, George W. Cox (compiler), G. H. Crowl, W. R. Diem, Ronald Greene, W. K. Jones, J. H. Lancaster, Mr. and Mrs. C. G. Laughlin, William B. Price, E. B. Shirling, W. D. Stull, Edward S. Thomas, D. M. Triplehorn, H. H. Wyss.

222. **Hamilton, Ohio** (same area as last 36 years; open farmland 40%, wood patches 30%, weedy fields 15%, along river 15%).—Jan. 1; 8 a.m. to 5:30 p.m. Ground bare; temp. 18° to 40°; wind S to SW, light. Two observers in 1 party. Total party-hours, 9½ (5 on foot, 4½ by car); total party-miles, 38 (8 on foot, 30 by car). Great Blue Heron, 1; Mallard, 1; Lesser Scaup, 2; Am. Merganser, 2; **Turkey Vulture,** 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 7; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 9; Killdeer, 3; Wilson's Snipe, 2; Mourning Dove, **766;** Belted Kingfisher, 6; Yellow-shafted Flicker, 11; Red-bellied Woodpecker, 10; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 6; Downy Woodpecker, 24; Horned Lark, 12; Blue Jay, 8; Am. Crow, 3000; Carolina Chickadee, 48; Tufted Titmouse, 36; Brown Creeper, 1; Carolina Wren, 12; Mockingbird, 6; Am. Robin, 42; Eastern Bluebird, 7; Cedar Waxwing, 7; Common Starling, 2400; House Sparrow, 421; Eastern Meadowlark, 29; Purple Grackle, 13; Cardinal, 86; Am. Goldfinch, 44; Slate-colored Junco, 112; Am. Tree Sparrow, 132; Swamp Sparrow, 6; Song Sparrow, 65. **Total,** 42 species; more than 7348 individuals.—Frank Harbaum (compiler), Willis Harbaum.

223. **Indian Lake, Ohio** (entire shoreline of lake and most of country within 7 miles of its center as in previous years).—Dec. 24; 7 a.m. to 4 p.m. Heavily overcast; temp. 45° to 60°; wind SSW, 5-20 m.p.h.; visibility mostly limited to 400 yards, streams and ground unfrozen, lake 90% frozen but thawing. Seven observers in 2 parties. Total party-hours, 18 (10 on foot, 8 by car); total party-miles, 104 (9 on foot, 95 by car). Pied-billed Grebe, 1; Canada Goose, 2; Mallard, 901; Black Duck, 435; Green-winged Teal, 1; Lesser Scaup, 2; Am. Golden-eye, 5; Buffle-head, 1; Am. Merganser, 9; Cooper's Hawk, 4; Red-tailed Hawk, 4; Red-shouldered Hawk, 9; Bald Eagle, 1; Marsh Hawk, 1; **Pigeon Hawk,** 1 (carefully identified—L.H., D.B.); Bob-white, 1; Ring-necked Pheasant, 1; **Wilson's Snipe,** 1; Mourning Dove, **499**; Screech Owl, 2; Barred Owl, 3; Belted Kingfisher, **5**; Yellow-shafted Flicker, 12; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 4; **Yellow-bellied Sapsucker,** 1; Hairy Woodpecker, 9; Downy Woodpecker, 39; Horned Lark, 28; Blue Jay, **81**; Am. Crow, 26; Carolina Chickadee, 98; Tufted Titmouse, **135**; White-breasted Nuthatch, 49; Brown Creeper, **44**; Winter Wren, 1; Carolina Wren, **15;** Am. Robin, 5; Eastern Bluebird, 2; Golden-crowned Kinglet, 19; Cedar Waxwing, 2; Common Starling, 412; **Myrtle Warbler,** 1; House Sparrow, 1720; Eastern Meadowlark, 2; Red-winged Blackbird, 6; Rusty Blackbird, 17; Cardinal, 127; Purple Finch, 1; Am. Goldfinch, 27; Slate-colored Junco, **113**; Am. Tree Sparrow, **265**; White-crowned Sparrow, 1; Swamp Sparrow, 2; Song Sparrow, 66; Snow Bunting, 1. **Total,** 56 species; about 5229 individuals.—David F. Baker, Audrey Claugus, George Cox, Lawrence E. Hicks, Ernie Limes (compiler), William B. Price, George S. Wolfram.

224. **Lakewood, Ohio** (Lake Erie shore from Edgewater Park to Avon Lake; Clague Park, Olmsted Falls, Avon, Rocky River Metropolitan Park from mouth of river to south of Berea, suburban areas in Lakewood, Rocky River, Bay Village, Westlake; lakefront and parks along lakefront 20%, suburban areas and parks 27%, flood plain forest 50%, small fruit farms 3%). Dec. 26; 7:30 a.m. to 5:30 p.m. Mostly cloudy, few light snow flurries; temp. 26° to 31°; wind NW, 8-12 m.p.h.; no snow cover, Rocky River partly frozen near mouth, drift ice packed along lake shore and in sheltered coves, beyond this no ice visible in lake. Twenty-two observers in 6 parties. Total party-hours, 35 (29 on foot, 4 by car); total party-miles, 151 (23 on foot, 128 by car). Horned Grebe, 1; **Great Blue Heron,** 1; Mallard, 63; Black Duck, 1; **Pintail,** 4; Canvas-back, 36; Lesser Scaup, 225; Am. Golden-eye, 272; Buffle-head, 45; Ruddy Duck, 5; **Hooded Merganser, 8**; Am. Merganser, 6; Red-breasted Merganser, 11; Red-shouldered Hawk, 1; Sparrow Hawk, 4; Ring-necked Pheasant, 16; Herring Gull, 537; Ring-billed Gull, 789; Bonaparte's Gull, 64; **Mourning Dove,** 3; **Horned Owl,** 4; **Snowy Owl,** 1; Belted Kingfisher, 2; Red-headed Woodpecker, 3; Hairy Woodpecker, 5; Downy Woodpecker, 63; Blue Jay, 126; Am. Crow, 47; Black-capped Chickadee, 83; Tufted Titmouse, 36; White-breasted Nuthatch, 33; Red-breasted Nuthatch, 10; Brown Creeper, 9; Carolina Wren, 5; Am. Robin, 14; Golden-crowned Kinglet, 7; Cedar Waxwing, 53; Common Starling, 257; House Sparrow, 382; **Purple Grackle,** 3; Cardinal, 104; Purple Finch, 17; **Common Redpoll,** 7; **Pine Siskin,** 3; Am. Goldfinch, **80**; Eastern Towhee, 3; Slate-colored Junco, 162; Am. Tree Sparrow, 110; Field Sparrow, **16**; Song Sparrow, 38. **Total,** 50 species; about 3775 individuals.—Carl A. Baier, Stanley E. Butler, Robert Cossaboom, Myron Owen Davies (compiler), Mrs. Owen J. Davies, Mr. and Mrs. Donald S. Dean, Edward F. Diederichs, Florence Gray, Mr. and Mrs. William A. Klamm, Mrs. Robert Meier, Henry N. Merkle, H. G. Rudge, Walter R. Schuele, Edward F. Schuster, Mrs. Richard Shaw, Carol Stover, Mr. and Mrs. Fred J. Stover, T. C. Surrarrer, Daniel F. Waugh.

225. **Lancaster, Ohio** (3-mile radius centering on

Broad and Main Sts., approximately same route as previous 30 years; farmland 8%, deciduous woods 37%, stream banks 12%, city suburbs 43%).—Jan 1; 7:30 a.m. to 5:30 p.m. Clear; temp. 24° to 40°; wind SW, 3-5 m.p.h.; ground bare, streams open, ponds frozen. Three observers in 2 parties. Total party-hours. 16; total party-miles, 24. Red-tailed Hawk, 2; Sparrow Hawk, 1; Bob-white, 1; Killdeer, 2; Mourning Dove, 437; Belted Kingfisher, 2; Yellow-shafted Flicker, 33; Pileated Woodpecker, 2; Red-bellied Woodpecker, 10; Hairy Woodpecker, 1; Downy Woodpecker, 47; Blue Jay, 40; Am. Crow, 3; Carolina Chickadee, 74; Tufted Titmouse, 70; White-breasted Nuthatch, 33; Brown Creeper, 5; Carolina Wren, 25; Mockingbird, 2; Am. Robin, 18; Eastern Bluebird, 22; Golden-crowned Kinglet, 3; Common Starling, 446; Myrtle Warbler, 12; House Sparrow, 621; Brown-headed Cowbird, 1; Cardinal, 197; Purple Finch, 19; Am. Goldfinch, 3; Eastern Towhee, 2; Slate-colored Junco, 115; Am. Tree Sparrow, 166; Field Sparrow, 3; White-throated Sparrow, 1; Song Sparrow, 135. **Total,** 35 species; about 2554 individuals. (Barred Owl seen in area during period.) —Florence Branum, Charles R. Goslin (compiler), Tom Guisinger.

226. Mohican State Forest, Ohio (shores of Pleasant Hill Lake, marsh north of Perrysville, Malabar Farm, Pine Run, Mohican Forest, Mohican Valley south of Loudonville; pine-hemlock-hardwood forest 25%, upland deciduous forest 25%, farmlands 10%, roadsides 15%, swamp forest 10%, marsh 5%, lake shore 10%).—Jan. 1; 8 a.m. to 6 p.m. Clear, calm; temp. 13° to 28°; ground bare, streams mostly open, lake and marshes ice-covered, few acres of open water on lake. Nine observers in 5 parties. Total party-hours, 30 (23 on foot, 7 by car); total party-miles, 132 (21 on foot, 111 by car). Great Blue Heron, 1; Mallard, 180; Black Duck, 43; Green-winged Teal, 3; Hooded Merganser, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 1; Bald Eagle, **4**; Bob-white, 7; Killdeer, 1; **Herring Gull, 2**; Mourning Dove, 30; Barred Owl. 3; Belted Kingfisher, 6; Yellow-shafted Flicker, 13; Pileated Woodpecker, **10**; Red-bellied Woodpecker, 33; **Yellow-bellied Sapsucker, 3**; Hairy Woodpecker, 11; Downy Woodpecker, 44; Horned Lark, 2; Blue Jay, 52; Am. Crow, 3; Black-capped and Carolina Chickadee, 62; Tufted Titmouse, 92; White-breasted Nuthatch, 42; Red-breasted Nuthatch, 11; Brown Creeper, 13; Winter Wren, 3; Carolina Wren, 21; Am. Robin, 33; Hermit Thrush, 1; Eastern Bluebird, 50; Golden-crowned Kinglet, 17; Cedar Waxwing, 5; Common Starling, 370; Myrtle Warbler, 7; House Sparrow, 383; Eastern Meadowlark, 3; Red-winged Blackbird, 20; Cardinal, 167; Evening Grosbeak, 4; Purple Finch, 15; Pine Siskin, 66; Am. Goldfinch, 125; Eastern Towhee, **5**; Slate-colored Junco, 46; Am. Tree Sparrow, 400; Field Sparrow, 8; Swamp Sparrow, 5; Song Sparrow, 67. **Total,** 52 species; about 2499 individuals.—Joseph A. Beatty, James Bruce (compiler), Marie Greider, Mr. and Mrs. Alden Schaffter, Robert Sparr, Paul A. Stewart, Roger Trautman, Mrs. C. R. Wagner.

227. Oxford, Ohio (7½-mile radius from center of Oxford, about same as previous years with routes changed somewhat; wooded areas, chiefly along streams 60%, weedy fields and farmlands 40%).—Dec. 31; 8 a.m. to 5:30 p.m. Clear; temp. 20° to 35°; wind WNW, 10-12 m.p.h.; ground bare, streams partially open, ponds frozen. Twelve observers in 6 parties. Total party-hours, 36 (29 on foot, 7 by car); total party-miles, 68 (24 on foot, 44 by car). Canada Goose, 75; Mallard, 70; Black Duck, 2; Turkey Vulture, 3; Cooper's Hawk, 2; Red-tailed Hawk, 10; Red-shouldered Hawk, 1; Marsh Hawk, 5; Pigeon Hawk, 1; Sparrow Hawk, 8; Bob-white, 60 (5 coveys); Ring-necked Pheasant, 1; Mourning Dove, 130; Screech Owl, 1; Horned Owl, 1; Barred Owl, 1; Long-eared Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 21; Red-bellied Woodpecker, 35; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 6; Downy Woodpecker, 74; Horned Lark, 1; Blue Jay, 25; Am. Crow, 91; Carolina Chickadee, 119; Tufted Titmouse, 81; White-breasted Nuthatch, 20; Red-breasted Nuthatch, 7; Brown Creeper, 6; Winter Wren, 4; Carolina Wren, 27; Mockingbird, 9; Am. Robin, 4; Eastern Bluebird, 18; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 1; Cedar Waxwing, 29; Common Starling, 189; House Sparrow, 441; Eastern Meadowlark, 15; Cardinal, 160; Am. Goldfinch, 26; Eastern Towhee, 11; Savannah Sparrow, 1; Slate-colored Junco, 215; Am. Tree Sparrow, 345; Field Sparrow, 1; White-crowned Sparrow, 9; White-throated Sparrow, 1; Fox Sparrow, 2; Song Sparrow, 79. **Total,** 53 species; about 2459 indiivduals. (Blue-winged Teal, Killdeer, Brown Thrasher seen count period.)—Trent Bobbit, Peter Carouthers, Paul Daniel, B. F. Graham, Mrs. W. H. Gran, Mr. and Mrs. R. A. Hefner, E. M. Ingersoll, Mrs. Paul Logan, Mildred Miskimen, Anna Schuman, R. L. Strecker (compiler).

228. Portsmouth, Ohio (same area as in previous years).—Dec. 27; dawn to dusk. Sunshine all day; temp. 24° to 32°; wind E, 3 m.p.h. Twelve observers in 3 parties. Total party-hours, 100 (68 on foot, 32 by car); total party-miles, 135 (40 on foot, 95 by car). Mallard, 24; Black Duck, 6; Ring-necked Duck, 1; Am. Golden-eye, 8; Am. Merganser, 13; Cooper's Hawk, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Sparrow Hawk, 18; Bob-white, 12; Killdeer, 5; Mourning Dove, 28; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 8; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 7; Downy Woodpecker, 32; Horned Lark, 9; Blue Jay, 14; Am. Crow, 20; Carolina Chickadee, 80; Tufted Titmouse, 91; White-breasted Nuthatch, 32; Brown Creeper, 2; Carolina Wren, 47; Am. Robin, 12; Hermit Thrush, 1; Eastern Bluebird, 37; Golden-crowned Kinglet, 2; Cedar Waxwing, 12; Common Starling, 176; Myrtle Warbler, 5; House Sparrow, 125; Eastern Meadowlark, 59; Red-winged Blackbird, 7; Cardinal, 223; Purple Finch, 12; Am. Goldfinch, 75; Eastern Towhee, 8; Slate-colored Junco, 342; Am. Tree Sparrow, 135; **Chipping Sparrow**, 1; White-crowned Sparrow, 2; White-throated Sparrow,

6; Fox Sparrow, 2; Swamp Sparrow, 2; Song Sparrow, 66. **Total,** 50 species; about 1779 individuals.—George R. Barry, George R. Barry, Jr., Floyd B. Chapman, James S. Donaldson, Paul L. Doyle, Earl C. Hayes, Allan E. Nickel, Virginia M. Nickel, Kay O'Dell, Conrad Roth (compiler), Howard C. Webb, Miriam L. Webb.

229. **Salem, Ohio** (same circle as past 2 years; lake shore 2%, marsh 10%, open fields 10%, brushland 25%, wooded valley 40%, upland woods 13%.)—Jan. 2; 7 a.m. to 5 p.m. Clear until 9:30 a.m.; temp. 24° to 34°; wind SW, 0-12 m.p.h.; ground bare at start, flurry depositing ½-in. snow which melted later, lakes and marshes frozen, Beaver Creek mostly frozen. Ten observers in 6 parties. Total party-hours, 45 (39 on foot, 6 by car); total party-miles, 89 (54 on foot, 35 by car). Great Blue Heron, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 9; Ruffed Grouse, 1; Bob-white, 9; Ring-necked Pheasant, 3; **Killdeer,** 1 (not on count since 1915); Mourning Dove, 5; Screech Owl, 2; Horned Owl, 2; Long-eared Owl, 1; Belted Kingfisher, 5; Pileated Woodpecker, 3; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 14; Hairy Woodpecker, 25; Downy Woodpecker, 50; Horned Lark, 22; Blue Jay, 43; Am. Crow, 31; Black-capped Chickadee, 58; Carolina Chickadee, 14; Tufted Titmouse, 110; White-breasted Nuthatch, 75; Red-breasted Nuthatch, 2; Brown Creeper, 9; Winter Wren, 2; Carolina Wren, 13; Am. Robin, **249**; Eastern Bluebird, 13; Golden-crowned Kinglet, 3; Cedar Waxwing, 5; Common Starling, 242; House Sparrow, 174; Red-winged Blackbird, 3; Purple Grackle, 1; **Brown-headed Cowbird,** 1; Cardinal, 128; Purple Finch, 4; Pine Siskin, 25; Am. Goldfinch, 31; Eastern Towhee, 4; Slate-colored Junco, 120; Am. Tree Sparrow, 624; Field Sparrow, 2; Swamp Sparrow, 19; Song Sparrow, 43. **Total,** 50 species; about 2219 individuals. (Seen during period: Red-shouldered Hawk, Eastern Meadowlark, Rusty Blackbird, White-throated Sparrow.)—Margaret K. Baker, William C. Baker (compiler), Roy A. Booth, Casper Gabler, Ernest Guindon, Albert T. Hartley, Inez Heisler, Katherine Hole, Raymond O. Marshall, G. William Richter (Salem Bird Study Club).

230. **Steubenville, Ohio** (same 4 areas within 15-mile diameter circle, area 1 slightly worked this year; deciduous woods 22%, farmland 20%, pine woods 3%, brushy fields 18%, swampy woods 7%, bottomland 17%, urban 3%, open fields 10%).—Dec. 31; 8 a.m. to 4 p.m. Sunny to cloudy, light snow flurries; temp. 12° to 24°; wind W, 0-12 m.p.h. Seven observers in 4 parties. Total party-hours, 25; total party-miles, 26 (all on foot). Pied-billed Grebe, 1; Great Blue Heron, 1; Black Duck, 6; Am. Widgeon, 1; Am. Golden-eye, 3; Hooded Merganser, 2; Cooper's Hawk, 1; Red-tailed Hawk, 2; Sparrow Hawk, 1; Ruffed Grouse, 12; Bob-white, 28; Screech Owl, 3; Belted Kingfisher, 6; Yellow-shafted Flicker, 2; Pileated Woodpecker, 3; Red-bellied Woodpecker, 13; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 41; Horned Lark, 12; Am. Crow, 1; Carolina Chickadee, 87; Tufted Titmouse, 81; White-breasted Nuthatch, 15; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 23; Am. Robin, 6; Eastern Bluebird, 15; Golden-crowned Kinglet, 3; Common Starling, 328; House Sparrow, 217; Cardinal, 104; **Purple Finch, 8** (first winter record); Am. Goldfinch, 7; Slate-colored Junco, 164; Am. Tree Sparrow, 575; Field Sparrow, 2; Song Sparrow, 50. **Total,** 39 species; about 1829 individuals. (Mockingbird, Red-winged Blackbird, Am. Coot seen in area during week.)—Clinton S. Banks (compiler), R. L. Dailey, Felix Henrion, Arthur Johnson, Ronald McKee, Ralph Musser, Albert Tenney (The Forest Audubon Club).

231. **Tiffin, Ohio** (5 miles north and 10 miles south including Sandusky River north, Rock Creek, Morrison Creek; bottomland deciduous forest 70%, upland deciduous forest 20%, open fields 5%, shrubby fields 3%, upland evergreen forest 2%).—Dec. 31; 8 a.m. to 5:30 p.m. Partly cloudy, snow flurries; temp. 19° to 27°; wind SW, 8-11 m.p.h.; streams mostly frozen. Fourteen observers in 8 parties. Total party-hours, 94 (78 on foot, 16 by car); total party-miles, 92 (43 on foot, 49 by car). Great Blue Heron, 1; Canada Goose, 35; Am. Golden-eye, 2; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Sparrow Hawk, 2; Bob-white, 15; Ring-necked Pheasant, 2; Mourning Dove, 99; Barred Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 30; Hairy Woodpecker, 3; Downy Woodpecker, 36; Blue Jay, 40; Black-capped Chickadee, 13; Tufted Titmouse, 73; White-breasted Nuthatch, 49; Red-breasted Nuthatch, 5; Brown Creeper, 9; Am. Robin, 24; Golden-crowned Kinglet, 4; Cedar Waxwing, 3; Common Starling, 23; House Sparrow, 150; Cardinal, 57; Purple Finch, 10; Am. Goldfinch, 10; Slate-colored Junco, 46; Am. Tree Sparrow, 287; Song Sparrow, 19. **Total,** 34 species; about 1066 individuals.—George Deinzer, Bernice Estep, Mrs. Richard Ewald, Ralph Foutz, Joseph Gerstenberger, Tom Gerstenberger, Howard Hintz, Mrs. W. C. Knoblaugh (compiler), Marian Lewis, A. G. McQuate, Nelda McQuate, Larry Tiehl, Mike Wolff, Mrs. James Wolff (Seneca Nature Club).

232. **Toledo, Ohio** (5 miles of Swan Creek valley, 5 miles of Ottawa River valley, woodlots northeast of city, edge of Cedar Point marsh, and Erie marsh, Michigan; Erie marsh contains large flowing mineral spring; open water 10%, cattail marsh edge 10%, cultivated fields 10%, open deciduous forest 70%).—Dec. 26; 7:30 a.m. to 5:30 p.m. Clear; temp. 20° to 34°; wind N, 10 m.p.h.; no snow, marshes, streams and part of Lake Erie and Maumee Bay frozen. Thirty-four observers in 7 parties. Total party-hours, 45 (39 on foot, 6 by car); total party-miles, 104 (40 on foot, 64 by car). Great Blue Heron, **30**; Mallard, 15,515; Black Duck, 5376; Pintail, 6; Canvas-back, 660; Lesser Scaup, 510; Am. Golden-eye, 155; Ruddy Duck, 13; Am. Merganser, 53; Sharp-shinned Hawk, 2; Cooper's Hawk, 3; Red-tailed

Hawk, 9; Red-shouldered Hawk, 2; Bald Eagle, 3; Marsh Hawk, 2; Sparrow Hawk, 21; Bob-white, 9; Ring-necked Pheasant, 98; Am. Coot, 3; Great Black-backed Gull, 3; Herring Gull, 75; Ring-billed Gull, 220; Mourning Dove, 49; Barn Owl, 1; Screech Owl, 6; Horned Owl, 3; Barred Owl, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 4; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 4; Downy Woodpecker, 84; Horned Lark, 58; (Northern, 3); Blue Jay, 121; Am. Crow, 641; Black-capped Chickadee, 87; Tufted Titmouse, 50; White-breasted Nuthatch, 37; Red-breasted Nuthatch, 8; Brown Creeper, 43; Winter Wren, 9; Carolina Wren, 4; **Mockingbird,** 1; Am. Robin, **202**; Golden-crowned Kinglet, 5; Cedar Waxwing, 29; **Gray Shrike,** 1; Common Starling, 736; House Sparrow, 595; Red-winged Blackbird, 34; Purple Grackle, 3; Cardinal, 184; Purple Finch, 51; Common Redpoll, 20; Pine Siskin, 15; Am. Goldfinch, 65; Slate-colored Junco, 575; Am. Tree Sparrow, 595; Field Sparrow, 2; Swamp Sparrow, 9; Song Sparrow, 100; Lapland Longspur, 110; Snow Bunting, 20. **Total,** 63 species (1 additional subspecies); about 27,340 individuals. (Seen during count period: Red-headed Woodpecker, Short-eared Owl, Eastern Meadowlark.)—Harold Mayfield, John Mayfield, Reginald Kelly, John McCormick, William Schlageter, Joe Sweeney, Miriam Bell, Donald and Doris Van Buskirk, Henrietta Marimon, Charles Prestin, Dick Kellermeyer, Bob Crofts, Jack Brace, Earnest Weaver, Glen Forsythe, Jim Nessle, Lawrence Hiett, Cy Greenhill, Lou Klewer, Seymour and Charles Holloway, Seymour and Bob Van Gundy, Ed Kadas, Larry Shafer, Laurel van Camp, Gene Walston, Dick Sheets, Dennis Genzeman, Lee Garling, Bob Hayman, Roger Jensen, Lou Campbell (Toledo Naturalists' Association).

233. Utica, Ohio (same locality as previous 6 years, center 15-mile circle in SE Washington Township, including South Lane Farm of 345 acres 2 miles west of Utica, Girl Scout Camp in Fallsbury Township; beech-maple climax forest 30%, open farmland 15%, rolling upland with oak-hickory climax forest and mixed deciduous trees 20%, brushy thickets 5%, lowland and brushy stream edges 30%).—Dec. 27; 7:15 a.m. to 5:30 p.m. Clear; temp. 20° to 31°; wind NE to E, 0-10 m.p.h.; ground bare, water frozen except parts of small streams. Seven observers in 4 parties. Total party-hours, 52 (47 on foot, 5 by car); total party-miles, 109 (50 on foot, 59 by car). Mallard, 1; Turkey Vulture, **45** (43 in 1 flock); **Black Vulture,** 3 (carefully compared with T. Vultures near—M.G.); Cooper's Hawk, 4; Red-tailed Hawk, 15; Marsh Hawk, 5; Sparrow Hawk, 4; Ruffed Grouse, 6; Bob-white, 83; Ring-necked Pheasant, 1; Mourning Dove, 100; Barn Owl, 1; Horned Owl, 6; Barred Owl, 2; Long-eared Owl, 3; Belted Kingfisher, 6; Yellow-shafted Flicker, 38; Pileated Woodpecker, 5; Red-bellied Woodpecker, 49; Red-headed Woodpecker, **39**; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 19; Downy Woodpecker, 56; Horned Lark, 127 (27 Prairie); Blue Jay, 52; Am. Crow, 1; Carolina Chickadee, 65; Tufted Titmouse, 94; White-breasted Nuthatch, 54; Red-breasted Nuthatch, 7; Brown Creeper, 11; Winter Wren, 5; Carolina Wren, 8; **Mockingbird,** 1; Am. Robin, 146; **Hermit Thrush,** 1; Eastern Bluebird, 31; Golden-crowned Kinglet, 1; Cedar Waxwing, 48; **Loggerhead Shrike,** 1 (C.R.W.); Common Starling, 387; Myrtle Warbler, 2; **Palm Warbler,** 1 (Western—Mrs. C.R.W.); House Sparrow, 346; Eastern Meadowlark, 25; Red-winged Blackbird, 2; Brown-headed Cowbird, 1; Cardinal, 97; Purple Finch, 27; **Pine Siskin, 32**; Am. Goldfinch, 36; Eastern Towhee, 47; **Vesper Sparrow,** 1 (A.H.C.); Slate-colored Junco, 127; Am. Tree Sparrow, 292; **Field Sparrow,** 4 (Mrs. C.R.W.); White-crowned Sparrow, 2; White-throated Sparrow, 4; **Fox Sparrow,** 1 (A.H.C.); Swamp Sparrow, 6; Song Sparrow, 33. **Total,** 61 species (1 additional subspecies); about 2619 individuals. (Seen during count period in area: Black Duck, Purple Grackle, Killdeer.) [Excellent details submitted for all unusual birds—Ed.]—Joseph Berg, Mrs. Joseph Berg, A. H. Claugus, Marie Greider, Harvey Lowe, C. R. Wagner, Mrs. C. R. Wagner (compiler).

234. Van Wert, Ohio (same area as in past except addition of coverage within city; open farmland 53%, deciduous swamp forest 40%, farm yards 2%, residential lots 5%).—Dec. 26; 8 a.m. to 5 p.m. Mostly clear; temp. 26° to 38°; wind NNE, 3-10 m.p.h.; creeks and reservoir largely frozen, no snow. Nine observers in 3 parties. Total party-hours, 48 (31 on foot, 17 by car); total party-miles, 129 (52 on foot, 77 by car). Red-tailed Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 3; Bob-white, 23; Ring-necked Pheasant, 1; Mourning Dove, 43; Yellow-shafted Flicker, 4; Red-headed Woodpecker, 6; Hairy Woodpecker, 9; Downy Woodpecker, 26; Horned Lark, 31; Blue Jay, 8; Am. Crow, 1; Black-capped Chickadee, 6; Tufted Titmouse, 27; White-breasted Nuthatch, 11; Carolina Wren, 1; Common Starling, 287; House Sparrow, 167; Brown-headed Cowbird, 1; Cardinal, 7; Slate-colored Junco, 52; Am. Tree Sparrow, 199; Song Sparrow, 21. **Total,** 24 species; about 938 individuals. (Seen in area count period: Eastern Meadowlark.)—Arthur S. Brooks, E. E. Good, J. R. Jarvis, James Richardson, Don Shaw, Jr., Stanley Smith, Denton R. Stetler, Bill Wheeler, J. Fred Williams (compiler) (Upper Maumee Valley Naturalist Club).

235. Warren, Ohio (7½-mile radius, same area as last 6 years; marsh 10%, water 10%, pasture 10%, plowed land 10%, suburbs 30%, woodlots 30%).—Dec. 30; 8 a.m. to 5 p.m. Snowy with some sun; temp. 24° to 22°; wind NE, 25 m.p.h.; Girard, Liberty Lakes frozen. Mosquito frozen. Forty observers in 14 parties. Total party-hours, 150 (145 on foot, 5 by car); total party-miles, 99 (24 on foot, 75 by car). Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 6; Ruffed Grouse, 1; Bob-white, 25; Ring-necked Pheasant, 7; Mourning Dove, 29; Belted Kingfisher, 1; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 3; **Red-headed Woodpecker,** 1; Hairy Woodpecker, 4; Downy Woodpecker, 37; Blue Jay, 193; Am. Crow, 1905; Black-capped Chick-

adee, 61; Tufted Titmouse, 41; White-breasted Nuthatch, 28; Brown Creeper, 8; Am. Robin, **109**; Cedar Waxwing, 91; Common Starling, 508; House Sparrow, 1216; Eastern Meadowlark, 3; Red-winged Blackbird, 1; Rusty Blackbird, 40; Cardinal, 148; Am. Goldfinch, 25; Slate-colored Junco, 190; Am. Tree Sparrow, 218; Swamp Sparrow, 1; Song Sparrow, 14; Snow Bunting, 4. **Total,** 33 species; about 4925 individuals. (Seen in area count period: Pileated Woodpecker.)—Trumbull Bird and Nature Club, Georgene M. Smith (compiler).

236. **Wooster, Ohio** (center near Springville including Killbuck Creek Valley from Tea Run north to Funk's Hollow, Secrest Arboretum, Mohican Valley around Funk; swamp forest 37%, upland woods 16%, fields and hedgerows 24%, marsh 12%, evergreen plantation 1%, beech-hemlock forest 10%).—Dec. 30; 4:30 a.m. to 5:30 p.m. Alternate sunshine and snow flurries; temp. 22° to 30°; wind NW, max. 20 m.p.h.; ½-in. snow, marshes and ponds frozen, streams mostly open. Sixteen observers in 5 parties. Total party-hours, 44 (25 on foot, 19 by car); total party-miles, 216 (24 on foot, 192 by car). **Pied-billed Grebe, 1**; Mallard, 5; Black Duck, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 4; Red-tailed Hawk, 11; Red-shouldered Hawk, 4; Marsh Hawk, 3; Sparrow Hawk, 1; Bob-white, 36; Ring-necked Pheasant, 7; Killdeer, 2; Mourning Dove, 75; Screech Owl, 2; Horned Owl, 1; Barred Owl, 4; **Short-eared Owl,** 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 20; Pileated Woodpecker, 2; Red-bellied Woodpecker, 19; Hairy Woodpecker, 10; Downy Woodpecker, 57; Horned Lark, 65; Blue Jay, 40; Am. Crow, 2; Black-capped and Carolina Chickadee, 63; Tufted Titmouse, 36; White-breasted Nuthatch, 21; Red-breasted Nuthatch, 4; Brown Creeper, 9; Winter Wren, 1; Carolina Wren, 7; **Long-billed Marsh Wren,** 1; Am. Robin, 300; Eastern Bluebird, 55; Golden-crowned Kinglet, 3; Cedar Waxwing, 17; Common Starling, 250; Myrtle Warbler, 17; House Sparrow, 720; Eastern Meadowlark, 16; Red-winged Blackbird, 53; Rusty Blackbird, 2; **Purple Grackle, 5**; Brown-headed Cowbird, 4; Cardinal, 100; Purple Finch, 3; Pine Siskin, 50; Am. Goldfinch, 189; Slate-colored Junco, 79; Am. Tree Sparrow, 360; Field Sparrow, 7; **White-crowned Sparrow, 3**; White-throated Sparrow, 3; Swamp Sparrow, 7; Song Sparrow, 40. **Total,** 58 species; about 2801 individuals. (Seen in area count period: Common Yellowthroat, Hermit Thrush, Evening Grosbeak.)—Joseph Beatty, James Bruce (compiler), Mrs. Raymond Dugan, Irene Eschliman, Mr. and Mrs. Tom Ford, Alma Frey, Scott Harry, Mrs. Albert Lorson, Mr. and Mrs. Alden Schaffter, Mr. and Mrs. Robert Sparr, Tedi Sparr, Roger Trautman, Mrs. C. R. Wagner.

237. **Youngstown, Ohio** (15-mile circle slightly east of prior counts, centering on Lake Newport; urban 15%, woods 35%, generally frozen lakes 10%, pasture, etc. 40%).—Dec. 31; 6:30 a.m. to 8 p.m. Clear until 4 p.m.; temp. 10° to 30°; wind N to W, 0-10 m.p.h. Twenty-two observers in 7 parties. Total party-hours, 155; total party-miles, 66. Am. Bittern, 1; Canada Goose, 184; Mallard, 952; Black Duck, 953; Am. Widgeon, 2; Pintail, 1; Am. Golden-eye, 5; Am. Merganser, 6; Sharp-shinned Hawk, 1; Cooper's Hawk, 5; Red-tailed Hawk, 2; Bald Eagle, 1; Marsh Hawk, 4; Sparrow Hawk, 8; Ruffed Grouse, 4; Bob-white, 112; Ring-necked Pheasant, 22; Mourning Dove, 23; Barn Owl, 1; Screech Owl, 2; Horned Owl, 2; Barred Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 4; Pileated Woodpecker, 2; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 3; Hairy Woodpecker, 29; Downy Woodpecker, 45; Horned Lark, 84; Blue Jay, 86; Am. Crow, 35,000; Black-capped Chickadee, 126; Tufted Titmouse, 114; White-breasted Nuthatch, 72; Red-breasted Nuthatch, 39; Brown Creeper, 6; Winter Wren, 5; Carolina Wren, 2; Am. Robin, 33; Golden-crowned Kinglet, 2; Cedar Waxwing, 79; Common Starling, 2788; House Sparrow, 666; Eastern Meadowlark, 2; Rusty Blackbird, 2; Cardinal, 102; Purple Finch, 44; Pine Siskin, 17; Am. Goldfinch, 165; Eastern Towhee, 3; Slate-colored Junco, 243; Am. Tree Sparrow, 538; Swamp Sparrow, 1; Song Sparrow, 20. **Total,** 55 species (1 additional subspecies); about 42,624 individuals. (Seen during period: Pied-billed Grebe, Horned Grebe, Common Loon, Redhead, Canvasback, Lesser Scaup, Ring-necked Duck, Great Blue Heron, Green-winged Teal, Ring-billed Gull, Lapland Longspur)—Grant M. Cook Bird Club, Vincent McLaughlin (compiler).

238. **Athens, W. Va.** (same area as 1945 and subsequent counts).—Dec. 31; 7:15 a.m. to 5:30 p.m.; temp. 17° to 35°; wind SW, 5-8 m.p.h.; ground bare except northern exposures, shore-ice in streams, reservoir frozen except few open spots. Three observers in 2 parties (1 at feeder 7 hours). Total party-hours, 28 (20 on foot, 8 by car); total party-miles, 88 (18 on foot, 70 by car). Pied-billed Grebe, 1; Black Duck, 5; Am. Widgeon, 8; Lesser Scaup, 4; Am. Golden-eye, 190; Hooded Merganser, 6; Bob-white, 7; Yellow-shafted Flicker, 1; Pileated Woodpecker, 2; Downy Woodpecker, 4; Eastern Phoebe, 1; Blue Jay, 5; Am. Crow, 319; Carolina Chickadee, 24; Tufted Titmouse, 27; White-breasted Nuthatch, 3; Carolina Wren, 7; Mockingbird, 8; Am. Robin, 229; Hermit Thrush, 1; Eastern Bluebird, 27; Cedar Waxwing, 73; Loggerhead Shrike, 1; Common Starling, 152; Myrtle Warbler, 2; Palm Warbler, 1; House Sparrow, 145; Purple Grackle, 3; Cardinal, 78; Am. Goldfinch, 45; Slate-colored Junco, 132; Am. Tree Sparrow, 14; Field Sparrow, 4; White-throated Sparrow, 2; Fox Sparrow, 1; Song Sparrow, 25. **Total,** 36 species; about 1557 individuals.—Clarice C. Bibbee, Paul C. Bibbee (compiler), Clarence M. Young.

239. **Charleston, W. Va.** (Kanawha River Valley and adjacent hills from Marmet to Institute, Kanawha Airport, Coonskin Park and Kanawha State Forest; open farmland and grassland 10%, urban 45%, deciduous woodland 45%).—Jan. 2; 6 a.m. to 5:30 p.m. Overcast until 2 p.m.; temp. 30° to 52°; wind SW, 10-25 m.p.h.; ground bare. Thirteen observers

in 8 parties. Total party-hours, 62 (41 on foot, 6 by car, 15 at feeders); total party-miles, 151 (42 on foot, 109 by car). Pied-billed Grebe, 1; Black Duck, 3; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Sparrow Hawk, 13; Ruffed Grouse, 3; Bob-white, 31; Killdeer, 7; Wilson's Snipe, 4; Herring Gull, 1; Mourning Dove, 2; Screech Owl, 2; Horned Owl, 1; Barred Owl, 4; Belted Kingfisher, 2; Yellow-shafted Flicker, 21; Pileated Woodpecker, 4; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 11; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 9; Downy Woodpecker, 35; Horned Lark, 16; Blue Jay, 56; Am. Crow, 125; Carolina Chickadee, 176; Tufted Titmouse, 165; White-breasted Nuthatch, 42; Red-breasted Nuthatch, 2; Brown Creeper, 1; Winter Wren, 7; Carolina Wren, 64; Mockingbird, 2; **Catbird,** 1; **Brown Thrasher,** 1; Am. Robin, **268**; Hermit Thrush, 2; **Olive-backed Thrush,** 1 (P.H.) [no details—Ed.]; Eastern Bluebird, 27; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 2; Cedar Waxwing, 23; Common Starling, 472; House Sparrow, 167; Eastern Meadowlark, 61; Brown-headed Cowbird, 16; Cardinal, 203; Purple Finch, 11; Pine Siskin, 2; Am. Goldfinch, 86; Eastern Towhee, 53; Slate-colored Junco, 191; **Oregon Junco,** 1 (at feeder for week —O.B.); Am. Tree Sparrow, 65; Field Sparrow, 65; White-throated Sparrow, 50; Fox Sparrow, 8; Swamp Sparrow, 10; Song Sparrow, 222. **Total,** 59 species; about 2824 individuals. (Am. Coot, White-crowned Sparrow seen count week.)—Kenneth H. Anderson, George L. Ballentine, Ruth Ballentine, Lucy Barber, Olive Brown, John Handlan, Polly Handlan, C. O. Handley, Sr., John M. Handley, George F. Hurley, Frank M. Johnson, Elinor Syms, Fred Woods (Charleston Chapter, Brooks Bird Club).

240. Charles Town, W. Va. (same area as past 4 years; Federal Fish Hatchery, along R. R. and stream from Charles Town to Aldridge, Flowing Springs meadow, Bloomery to Millville; ponds 10%, stream banks 15%, weedy fields 10%, mature oak forests 15%, cattail marsh 25%, farm fields and fencerows 20%, river bank 5%).—Dec. 29; 7:30 a.m. to 5:30 p.m. Cloudy, little sleet; temp. 15° to 30°; wind NE, 5-20 m.p.h.; ponds and streams frozen except several large springs. Two observers in 1 party. Total party-hours, 10 (8 on foot, 2 by car); total party-miles, 63 (12 on foot, 51 by car). Great Blue Heron, 4; Mallard, 6; Am. Widgeon, 29; Turkey Vulture, 4; Black Vulture, 2; Red-tailed Hawk, 4; Red-shouldered Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 1; Bob-white, 29 (3 coveys); Killdeer, 14; Wilson's Snipe, 10; Mourning Dove, 31; Belted Kingfisher, 2; Red-bellied Woodpecker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 7; Eastern Phoebe, 2; Horned Lark, 3; Blue Jay, 2; Am. Crow, 2500+; Carolina Chickadee, 19; Tufted Titmouse, 17; White-breasted Nuthatch, 6; Brown Creeper, 2; Mockingbird, 18; Am. Robin, 6; Eastern Bluebird, 14; Golden-crowned Kinglet, 4; Cedar Waxwing, 8; Loggerhead Shrike, 2; Common Starling, 360+; House Sparrow, 615; Eastern Meadowlark, 14; Rusty Blackbird, 17; Purple Grackle, 8; Cardinal, 57; Am. Goldfinch, 39; Slate-colored Junco, 89; Am. Tree Sparrow, 30; Field Sparrow, 2; White-crowned Sparrow, 126; White-throated Sparrow, 14; Swamp Sparrow, 3; Song Sparrow, 75. **Total,** 45 species; about 4203 individuals. (Seen in area count period: Pileated Woodpecker, Yellow-bellied Sapsucker.)—Dorothy H. Caperton, Clark Miller (compiler).

241. Huntington, W. Va. (same area as 1940 and subsequent counts).—Dec. 26; 6 a.m. to 5 p.m. Cloudy a.m., clearing by 10; temp. 20° to 40°; wind calm; ground bare. Twenty-six observers in 12 parties. Total party-hours, 77 (60 on foot, 17 by car); total party-miles, 274 (61 on foot, 213 by car). Common Loon, 2; Pied-billed Grebe, 4; Great Blue Heron, 2; Mallard, 16; Black Duck, 53; Gadwall, 2; Am. Widgeon, 4; Redhead, 1; Canvas-back, 1; Greater Scaup, 1; Lesser Scaup, 8; Buffle-head, 3; Hooded Merganser, 6; Am. Merganser, 5; Cooper's Hawk, 1; Red-shouldered Hawk, 1; Sparrow Hawk, 16; Ruffed Grouse, 1; Bob-white, 18; Killdeer, 4; Herring Gull, 12; Ring-billed Gull, 2; Mourning Dove, 2; Barn Owl, 1; Screech Owl, 3; Horned Owl, 1; Barred Owl, 7; Saw-whet Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 59; Pileated Woodpecker, 4; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 5; Yellow-bellied Sapsucker, 8; Hairy Woodpecker, 10; Downy Woodpecker, 97; Horned Lark, 12; Blue Jay, 126; Am. Crow, 1016; Carolina Chickadee, 384; Tufted Titmouse, 422; White-breasted Nuthatch, 40; Red-breasted Nuthatch, 3; Brown Creeper, 4; Winter Wren, 6; Carolina Wren, 103; Mockingbird, 41; Catbird, 1; Am. Robin, **5000**; Hermit Thrush, 5; Eastern Bluebird, 92; Golden-crowned Kinglet, 7; Ruby-crowned Kinglet, 3; Cedar Waxwing, 63; Loggerhead Shrike, 3; Common Starling, **6000**; Myrtle Warbler, 74; Pine Warbler, 2; House Sparrow, 448; Eastern Meadowlark, 8; Red-winged Blackbird, 1; Rusty Blackbird, **8000**; Purple Grackle, **6000**; Brown-headed Cowbird, 44; Cardinal, 369; Purple Finch, 5; Am. Goldfinch, 124; Eastern Towhee, 86; Vesper Sparrow, 3; Pine-woods Sparrow, 2; Slate-colored Junco, 309; Am. Tree Sparrow, 17; Field Sparrow, 21; White-crowned Sparrow, 6; White-throated Sparrow, 147; Fox Sparrow, 5; **Lincoln's Sparrow,** 1; Swamp Sparrow, 4; Song Sparrow, 383. **Total,** 79 species; about 29,758 individuals.—Mrs. W. A. Coakley, Mrs. M. W. Crenshaw, Ralph Edeburn (compiler), Jon Forbes, Lois Garrett, Mr. and Mrs. G. H. Gunnoe, Mrs. H. C. Hale, Tom Igou, Mrs. Walter Kerr, Melvin Kunkle, Mr. and Mrs. H. S. Lacefield, Holwell Land, Hugh Land, Howard L. Lawless, Frances Meyers, Tom Milewski, Mr. and Mrs. K. W. Morris, Mrs. John A. Mortison, Clare Newman, Mrs. W. H. Odell, Mrs. Grady Risen, Mrs. Emma Sue Snyder, Robert Van Blancom.

242. Inwood, W. Va. (same area as past 5 years; southern Berkeley County from Big Spring to Va. line and from Opequon Creek to top of North Mountain, no point more than 7½ miles from Inwood; orchards 20%, oak forests 10%, pastures 15%, farm fields 20%, scrub growth pine, locust and sumac 30%, streams and marshes 5%).—Dec. 31; 7 a.m. to 4 p.m. Cloudy; temp. 20° to 40°; wind NE, 3-15

m.p.h.; ponds and streams mostly frozen. One observer. Total hours, 9 (7 on foot, 2 by car); total miles, 49 (10 on foot, 39 by car). Turkey Vulture, 16; Black Vulture, 2; Cooper's Hawk, 1; Red-tailed Hawk, 1; Sparrow Hawk, 1; Bob-white, 6; Killdeer 26; Wilson's Snipe, 18; Mourning Dove, 40; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 2; Red-bellied Woodpecker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 3; Eastern Phoebe, 1; Blue Jay, 5; Am. Crow, 430; Black-capped Chickadee, 4; Carolina Chickadee, 148; Tufted Titmouse, 24; White-breasted Nuthatch, 3; Brown Creeper, 4; Carolina Wren, 2; Mockingbird, 13; Am. Robin, 11; Eastern Bluebird, 11; Golden-crowned Kinglet, 36; Loggerhead Shrike, 1; Common Starling, 463; House Sparrow, 313; Eastern Meadowlark, 8; Rusty Blackbird, 5; Purple Grackle, 4; Brown-headed Cowbird, 3; Cardinal, 33; Am. Goldfinch, 16; Slate-colored Junco, 36; Am. Tree Sparrow, 50; Field Sparrow, 3; White-crowned Sparrow, 10; White-throated Sparrow, 6; Song Sparrow, 24. **Total,** 43 species; about 1788 individuals. (Seen in area count period: Ruffed Grouse, Barred Owl, Sharp-shinned Hawk.)—Clark Miller.

243. **Bowling Green, Ky.** (same area as previous years).—Dec. 27; 6:30 a.m. to 5 p.m. Clear; temp. 28° to 40°; wind SW, 1-12 m.p.h.; ground bare, ice on ponds. Four observers in 2 parties. Total party-hours, 20 (18 on foot, 2 by car); total party-miles, 40 (10 on foot, 30 by car). Mallard, 5; Black Duck, 5; Wood Duck, 2; Turkey Vulture, 1; Black Vulture, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Sparrow Hawk, 5; Mourning Dove, 166; Horned Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 10; Pileated Woodpecker, 4; Red-bellied Woodpecker, 17; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 29; Horned Lark, 33; Blue Jay, 33; Am. Crow, 410; Carolina Chickadee, 63; Tufted Titmouse, 33; White-breasted Nuthatch, 1; Winter Wren, 6; Bewick's Wren, 2; Carolina Wren, 43; Mockingbird, 17; Am. Robin, 20; Eastern Bluebird, 67; Loggerhead Shrike, 5; Common Starling, 2064; Myrtle Warbler, 4; House Sparrow, 292; Eastern Meadowlark, 61; Red-winged Blackbird, **128**; Rusty Blackbird, **150**; Purple Grackle, **460**; Brown-headed Cowbird, 19; Cardinal, 151; Purple Finch, 37; Am. Goldfinch, 130; Eastern Towhee, 37; Savannah Sparrow, 7; Slate-colored Junco, 146; Am. Tree Sparrow, 35; Field Sparrow, 27; White-crowned Sparrow, 33; White-throated Sparrow, 176; Fox Sparrow, 3; Swamp Sparrow, 17; Song Sparrow, 55. **Total,** 54 species; about 5028 individuals.—L. Y. Lancaster, Charles L. Taylor, J. R. Whitmer, Gordon Wilson (compiler).

244. **Danville, Ky.** (most roads in and near county; farmland, thickets, ponds).—Dec. 26; 6:30 a.m. to 4:30 p.m. Partly cloudy; temp. 31° to 50°; wind very light; ponds and creeks full and open. Six observers in 3 parties. Total party-hours, 23 (4 on foot, 19 by car); total party-miles, 242 (4 on foot, 238 by car). Pied-billed Grebe, 1; Mallard, 130; Black Duck, 3; Pintail, 2; Canvas-back, 7; Lesser Scaup, 1; Ruddy Duck, 1; Hooded Merganser, 1; Turkey Vulture, 14; Cooper's Hawk, 3; Red-tailed Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 19; Bob-white, 1; Killdeer, 5; Mourning Dove, 4; Belted Kingfisher, 4; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 18; **Eastern Phoebe,** 1; Blue Jay, 4; Am. Crow, 1077; Carolina Chickadee, 23; Tufted Titmouse, 49; White-breasted Nuthatch, 1; Winter Wren, 1; Bewick's Wren, 1; Carolina Wren, 12; Mockingbird, 23; Am. Robin, 48; Eastern Bluebird, 10; Cedar Waxwing, 13; Loggerhead Shrike, 4; Common Starling, 2053; House Sparrow, 391; Eastern Meadowlark, 23; Cardinal, 125; **Purple Finch, 10**; Am. Goldfinch, 67; Eastern Towhee, 5; Slate-colored Junco, 44; Field Sparrow, 2; White-crowned Sparrow, 46; White-throated Sparrow, 21; Song Sparrow, 22. **Total,** 48 species; about 4305 individuals.—Florence Davis, Jackson Davis, Margaret Glore, Scott Glore, Jr., Frank Heck, Edna Drill Heck (compiler).

245. **Henderson, Ky.** (7½-mile radius from Audubon State Park Museum; deciduous woods 28%, sloughs and bottomlands 9%, soy bean and corn fields 12%, hills, pastures and fencerows 25%, rivers and banks 18%, abandoned fields 8%).—Dec. 26; 7 a.m. to 4 p.m. Overcast; temp. 32° to 45°; wind NE, 5-8 m.p.h. Fifteen observers in 6 parties. Total party-hours, 38 (23 on foot, 9 by car, 6 by boat); total party-miles, 96 (35 on foot, 31 by car, 30 by boat). Great Blue Heron, 8; Canada Goose, 1147; Mallard, 64,000; Black Duck, 1200; Pintail, 44; Green-winged Teal, 3; Blue-winged Teal, 2; Wood Duck, 17; Ring-necked Duck, 6; Canvas-back, 3; Lesser Scaup, 8; Am. Golden-eye, 3; Buffle-head, 2; Red-breasted Merganser, 21; Turkey Vulture, 6; Black Vulture, 7; Cooper's Hawk, 4; Red-tailed Hawk, 6; Red-shouldered Hawk, 2; Bald Eagle, 3; Marsh Hawk, 8; Osprey, 1 [no details—Ed.]; Sparrow Hawk, 30; Bob-white, 43; Killdeer, 1; Herring Gull, 127; Mourning Dove, 974; Screech Owl, 2; Horned Owl, 1; Barred Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 21; Pileated Woodpecker, 4; Red-bellied Woodpecker, 15; Red-headed Woodpecker, 8; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 11; Downy Woodpecker, 34; Horned Lark, 261; Blue Jay, 57; Am. Crow, 1855; Carolina Chickadee, 34; Tufted Titmouse, 29; White-breasted Nuthatch, 3; Brown Creeper, 3; Winter Wren, 1; Bewick's Wren, 5; Carolina Wren, 9; Mockingbird, 16; Am. Robin, 56; Hermit Thrush, 1; Eastern Bluebird, 36; Cedar Waxwing, 23; Loggerhead Shrike, 2; Common Starling, 185; Myrtle Warbler, 4; House Sparrow, 350; Eastern Meadowlark, 229; Red-winged Blackbird, 2; Brown-headed Cowbird, 4; Cardinal, 116; **Pine Siskin,** 1; Am. Goldfinch, 27; Eastern Towhee, 6; Savannah Sparrow, 3; **Grasshopper Sparrow, 10**; Vesper Sparrow, 2; Slate-colored Junco, 105; Chipping Sparrow, 18; Field Sparrow, 13; White-crowned Sparrow, 30; White-throated Sparrow, 2; Fox Sparrow, 4; Swamp Sparrow, 3; Song Sparrow, 5. **Total,** 75 species; about 71,292

individuals.—Walter Alves, King Benson, Mrs. Lora Clark, Ernest P. Edwards, James Escue, Amelia Klutey, Jerry McKinney, William H. Rhoads, W. P. Rhoads (compiler), Virginia Smith, R. C. Soaper, Mrs. Nat Stanley, Sr., James Stanley, Helen Watson, Mrs. Zaneda Watson.

246. Jefferson County, Ky. (Twin Pines Farm, Downing Farm, Harris Farm, Marquette Farm, Yount Woods in vicinity of Middletown, area about Avoca and Jeffersontown; woods 15%, grown-up fields, cultivated fields and small stream 85%).—Dec. 27; 7:30 a.m. to 5 p.m. Mostly cloudy; temp. 35° to 43°; wind NE, 12 m.p.h.; creeks and ponds open, ground bare. Two observers in 1 party. Total party-hours, 17 (10 on foot, 7 by car); total party-miles, 34 (10 on foot, 24 by car). Red-shouldered Hawk, 2; Sparrow Hawk, 6; Bob-white, 21; **Ring-necked Pheasant, 1**; Killdeer, 4; Mourning Dove, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 10; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 6; Downy Woodpecker, 7; Blue Jay, 13; Am. Crow, 37; Carolina Chickadee, 15; Tufted Titmouse, 18; White-breasted Nuthatch, 2; Brown Creeper, 2; Carolina Wren, 7; Mockingbird, 14; Am. Robin, 40; Eastern Bluebird, 13; Cedar Waxwing, 15; Common Starling, 265; House Sparrow, 320; Eastern Meadowlark, 27; Cardinal, 35; Purple Finch, 15; Am. Goldfinch, 25; Eastern Towhee, 8; Slate-colored Junco, 89; Am. Tree Sparrow, 1; White-crowned Sparrow, 3; White-throated Sparrow, 1; **Lincoln's Sparrow**, 1 (carefully checked); Song Sparrow, 31. **Total,** 36 species; about 1068 individuals.—Mrs. Dorothy M. Ellington (compiler), Charlotte I. Ellington.

247. Kentucky Woodlands National Wildlife Refuge, Ky. (7½-mile radius centering at Laura Lease, extending northward to Kentucky Dam, southward to Rock Castle road and Mulberry Flat Trail, eastward to Cumberland River, westward to Kentucky Lake; open water 20%, marsh 5%, fields 60%, woodlands 10%, urban 5%).—Dec. 31; 6 a.m. to 5 p.m. Clear; temp. 13° to 40°; wind S to SW, 0-5 m.p.h.; ground and small bodies of still water frozen early, thawing before noon. Twelve observers in 4 parties. Total party-hours, 37 (27 on foot, 10 by car); total party-miles, 200 (20 on foot, 180 by car). Pied-billed Grebe, 1; Great Blue Heron, 1; Canada Goose, 4132; Mallard, 22,300; Black Duck, 4300; Gadwall, 1; Am. Widgeon, 129; Pintail, 14; Green-winged Teal, 26; Wood Duck, 1; Redhead, 1; Ring-necked Duck, 150; Canvas-back, 2; Lesser Scaup, 1; Am. Golden-eye, 3; Hooded Merganser, 20; Am. Merganser, 6; Black Vulture, 3; Red-tailed Hawk, 7; Red-shouldered Hawk, 3; Bald Eagle, 13; Marsh Hawk, 1; Sparrow Hawk, 4; Bob-white, 53; Turkey, 1; Killdeer, 5; Herring Gull, 30; Ring-billed Gull, 2560; Bonaparte's Gull, 2; Mourning Dove, 10; Screech Owl, 1; Horned Owl, 1; Barred Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 35; Pileated Woodpecker, 11; Red-bellied Woodpecker, 20; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 9; Hairy Woodpecker, 9; Downy Woodpecker, 38; Horned Lark, 8; Blue Jay, 61; Am. Crow, 91; Carolina Chickadee, 72; Tufted Titmouse, 58; White-breasted Nuthatch, 20; Red-breasted Nuthatch, 2; Brown Creeper, 4; Bewick's Wren, 1; Carolina Wren, 45; Mockingbird, 28; Brown Thrasher, 1; Am. Robin, 41; Hermit Thrush, 2; Eastern Bluebird, 64; Golden-crowned Kinglet, 2; Loggerhead Shrike, 2; Common Starling, 40; Myrtle Warbler, 41; House Sparrow, 85; Eastern Meadowlark, 188; Purple Grackle, 32; Cardinal, 241; Purple Finch, 32; Am. Goldfinch, 50; Eastern Towhee, 39; Slate-colored Junco, 603; Am. Tree Sparrow, 1; **Chipping Sparrow,** 1; Field Sparrow, 54; White-crowned Sparrow, 2; White-throated Sparrow, 161; Fox Sparrow, 15; Swamp Sparrow, 125; Song Sparrow, 74. **Total,** 76 species; about 36,196 individuals.—Evelyn Barbig, Howard Barbig, Eugene Cypert (compiler), Mary Louise Cypert, Hunter Hancock, Charles McPherson, Kenneth Maynard, Billy Mitchell, Gerhard Megow, George Peyton, Mack Pritchard, L. D. Thompson.

248. Louisville, Ky. (7½-mile radius centering 2.4 miles northeast of Louisville at junction of U. S. Highway 42 and State Highway 22; Ohio River from Falls of the Ohio to 4 miles north of 12-mile Island, inland to Prospect, Crestwood, Anchorage, Jeffersontown; same habitat percentages as last year).—Dec. 26; 5:30 a.m. to 5 p.m. Cloudy, clearing afternoon; temp. 25° to 43°; wind NW, 2-7 m.p.h.; ponds partly frozen, river open. Twenty-five observers in 9 parties. Total party-hours, 64 (45 on foot, 12 by car, 7 by boat); total party-miles, 95 (20 on foot, 66 by car, 9 by boat). Horned Grebe, 5; Pied-billed Grebe, 3; Great Blue Heron, 2; Black-crowned Night Heron, 88; Canada Goose, 231; Mallard 786; Black Duck, 927; Pintail, 19; Green-winged Teal, 6; **Shoveller, 3**; Redhead, 20; Ring-necked Duck, 52; Canvas-back, 233; **Greater Scaup, 6 (3 shot by hunters)**; Lesser Scaup, 366; Am. Golden-eye, 70; Buffle-head, 9; Old-squaw, **16**; Ruddy Duck, 12; Hooded Merganser, 32; Am. Merganser, 77; **Red-breasted Merganser, 5**; Turkey Vulture, 8; Black Vulture, 14; Sharp-shinned Hawk, 2; Cooper's Hawk, 7; Red-tailed Hawk, 14; Red-shouldered Hawk, 3; Bald Eagle, 2; Marsh Hawk, 12; Peregrine Falcon, 2; Sparrow Hawk, 37; Bob-white, 11; Am. Coot, 5; Killdeer, 16; Wilson's Snipe, 3; Herring Gull, 14; Ring-billed Gull, 168; Mourning Dove, 58; Screech Owl, 1; Horned Owl, 2; Barred Owl, 2; Belted Kingfisher, 13; Yellow-shafted Flicker, 64; Pileated Woodpecker, 2; Red-bellied Woodpecker, 39; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 17; Downy Woodpecker, 84; Horned Lark, 165; Blue Jay, 59; Am. Crow, 588; Carolina Chickadee, 244; Tufted Titmouse, 175; White-breasted Nuthatch, 34; Red-breasted Nuthatch, 2; Brown Creeper, 9; Winter Wren, 2; Carolina Wren, 60; Mockingbird, 79; Am. Robin, 215; Eastern Bluebird, 86; Golden-crowned Kinglet, 7; Ruby-crowned Kinglet, 1; Cedar Waxwing, 18; Loggerhead Shrike, 5; Common Starling, 2950; Myrtle Warbler, 1; House Sparrow, 547; Eastern Meadowlark, 55; Red-winged Blackbird, 46; Purple Grackle, 10; Brown-headed Cowbird, 1; Cardinal, 431; Purple

Finch, 42; **Common Redpoll, 1** (first state record, collected—B.L.M., Jr.); Pine Siskin, 2; Am. Goldfinch, 109; Eastern Towhee, 34; Slate-colored Junco, 334; Oregon Junco, 3 (well-marked birds seen by 2 parties); Am. Tree Sparrow, 168; Field Sparrow, 28; White-crowned Sparrow, 28; White-throated Sparrow, 26; Swamp Sparrow, 19; Song Sparrow, 141; Lapland Longspur, 2. **Total,** 89 species; about 10,299 individuals. (Seen in area during week, **Saw-whet Owl,** Palm Warbler, Fox Sparrow.)—Mr. and Mrs. Yancey R. Altsheler, Leonard C. Brecher, Floyd Carpenter, Joseph E. Croft, Paxton Gibbs, Frank X. Krull, Harvey B. Lovell, Burt L. Monroe, Jr., Burt L. Monroe, Sr. (compiler), Eric Mills, Mrs. H. V. Noland, Louis H. Pieper, Marie E. Pieper, Walter H. Shackleton, Mr. and Mrs. F. P. Shannon, Mabel Slack, Mr. and Mrs. Frederick W. Stamm, Robert Steilberg, Charles Strull, James Winter, Margaret Ann Winter, Audrey A. Wright (Beckham Bird Club).

249. Otter Creek Park, Ky. (Meade County, same territory as previous years; deciduous woods 40%, brushy fields 40%, creek and river bank 10%, farmland 10%).—Jan. 1; 8 a.m. to 4:30 p.m. Clear; temp. 26° to 45°; wind 2-5 m.p.h.; ground bare, ponds frozen. Four observers in 2 parties. Total party-hours, 14 (12 on foot, 2 by car); total party-miles, 35 (15 on foot, 20 by car). Mallard, 6; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Bald Eagle, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Bob-white, 18; Mourning Dove, 51; Horned Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 9; Pileated Woodpecker, 3; Red-bellied Woodpecker, 7; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 20; Horned Lark, 30; Blue Jay, 15; Am. Crow, 96; Carolina Chickadee, 22; Tufted Titmouse, 20; White-breasted Nuthatch, 4; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 8; Mockingbird, 9; Am. Robin, 350; Hermit Thrush, 1; Eastern Bluebird, 14; Golden-crowned Kinglet, 7; Cedar Waxwing, 18; Common Starling, 2; Myrtle Warbler, 24; House Sparrow, 12; Cardinal, 53; Purple Finch, 5; Am. Goldfinch, 16; Eastern Towhee, 10; Slate-colored Junco, 85; Am. Tree Sparrow, 33; Field Sparrow, 7; White-throated Sparrow, 2; Swamp Sparrow, 3; Song Sparrow, 12. **Total,** 45 species; about 987 individuals.—Fred W. Stamm, Anne L. Stamm, Joseph Croft, Harvey B. Lovell (compiler).

250. Big Bald Mountain, Tenn.–N. C. (Unicoi and Yancey Counties; from east fork of Higgins Creek [3400 ft.] to Appalachian Trail [5000 ft.] and summit of Big Bald [5516 ft.]; deciduous woodland 70%, grassy treeless area 30%).—Dec. 26; 7:15 a.m. to 4:45 p.m. Sunny to cloudy, visibility good; temp. 33° to 44°; wind SW to SE, 1-8 m.p.h.; ground dry and firm, remnants of snow on east slope of Big Bald. One observer. Total hours, 9½; total miles, 9 (all on foot). Red-tailed Hawk, 1; Ruffed Grouse, 1; Hairy Woodpecker, 3; Downy Woodpecker, 7; Horned Lark, 1; Blue Jay, 19; Tufted Titmouse, 12; White-breasted Nuthatch, 4; Cardinal, 3; Pine Siskin, 7; Am. Goldfinch, 14; Eastern Towhee, 2; Slate-colored Junco, 20; Song Sparrow, 1. **Total,** 14 species; 95 individuals.—Fred W. Behrend.

251. Chattanooga, Tenn. (7½-mile radius centering on Missionary Ridge at Highway 41; creek edges 15%, ponds and lakes 35%, roadsides 20%, weedy fields 10%, woodland edges 15%, residential 5%).—Dec. 31; 7:45 a.m. to 4:45 p.m. Clear; temp. 20° to 45°; wind 0-3 m.p.h. Nine observers in 3 parties. Total party-hours, 18 (14 on foot, 4 by car); total party-miles, 124 (8 on foot, 116 by car). Common Loon, 1; Horned Grebe, 1; Canada Goose, 8; Mallard, 200; Black Duck, 150; Ring-necked Duck, 300; Hooded Merganser, 1; Red-tailed Hawk, 4; Marsh Hawk, 1; Sparrow Hawk, 9; Bob-white, 15; Killdeer, 53; Herring Gull, 3; Ring-billed Gull, 50; Mourning Dove, 71; Screech Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 6; Pileated Woodpecker, 1; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 9; Eastern Phoebe, 2; Blue Jay, 57; Am. Crow, 65; Carolina Chickadee, 41; Tufted Titmouse, 48; White-breasted Nuthatch, 11; Brown Creeper, 1; Bewick's Wren, 1; Carolina Wren, 12; Mockingbird, 35; Brown Thrasher, 1; Am. Robin, 6; Eastern Bluebird, 28; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 3; Cedar Waxwing, 10; Loggerhead Shrike, 6; Common Starling, 160; Myrtle Warbler, 3; Pine Warbler, 1; House Sparrow, 15; Eastern Meadowlark, 237; Rusty Blackbird, 310; Purple Grackle, 3; Cardinal, 72; Purple Finch, 27; Am. Goldfinch, 69; Eastern Towhee, 42; Savannah Sparrow, 20; Slate-colored Junco, 134; Chipping Sparrow, 1; Field Sparrow, 37; White-crowned Sparrow, 2; White-throated Sparrow, 135; Fox Sparrow, 1; Swamp Sparrow, 4; Song Sparrow, 46. **Total,** 61 species; about 2548 individuals.—Mr. and Mrs. T. S. Barr, Mrs. J. R. Barnwell, Ray Dietrich, Mr. and Mrs. R. A. Dunbar, Mrs. H. L. Sliger, Mr. and Mrs. E. M. West (compiler) (Chattanooga Chapter, T. O. S. and guests).

252. Elizabethton, Tenn. (same area as past 11 years with center at Valley Forge; lake border 5%, stream borders 60%, woodlands 20%, open fields 15%).—Jan. 1; 5 a.m. to 5:30 p.m. Clear; temp. 20° to 45°; wind 0-5 m.p.h.; snow in protected places and northern slopes at higher altitude, ponds frozen. Eight observers in 6 parties. Total party-hours, 47 (28 on foot, 19 by car); total party-miles, 187 (28 on foot, 159 by car). Common Loon, 2; Horned Grebe, 2; Pied-billed Grebe, 8; Great Blue Heron, 1; Mallard, 3; Black Duck, 2; Wood Duck, 1; Lesser Scaup, 2; Am. Golden-eye, 1; Buffle-head, 9; Turkey Vulture, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Sparrow Hawk, 6; Killdeer, 8; Mourning Dove, 179; Belted Kingfisher, 8; Yellow-shafted Flicker, 18; Pileated Woodpecker, 7; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 3; Downy Woodpecker, 26; Eastern Phoebe, 3; Blue Jay, 50; Am. Crow, 369; Carolina Chickadee, 47; Tufted Titmouse, 45; Brown Creeper, 4; Winter Wren, 1; Carolina Wren, 49; Mockingbird, 55; Am. Robin, 52; Hermit Thrush, 3; Eastern Bluebird, 56; Golden-crowned Kinglet, 6;

Ruby-crowned Kinglet, 4; Cedar Waxwing, **300**; Loggerhead Shrike, 9; Common Starling, 600; Myrtle Warbler, 162; Pine Warbler, 1; House Sparrow, 251; Eastern Meadowlark, 78; Cardinal, 154; Purple Finch, 20; Am. Goldfinch, 80; Eastern Towhee, 12; Savannah Sparrow, 1; Slate-colored Junco, 144; Field Sparrow, 51; White-crowned Sparrow, 16; White-throated Sparrow, 56; Fox Sparrow, 4; Swamp Sparrow, 1; Song Sparrow, 76. **Total,** 55 species; about 3053 individuals.—Mrs. D. E. Bashor, Mr. and Mrs. J. C. Browning, Donald Coffey, Lee R. Herndon (compiler), H. P. Langridge, Roby May, Jr., Frank Ward. (Elizabethton Chapter, T. O. S.).

253. Great Smoky Mountains National Park, Tenn.–N. C. (same area as 1937 and subsequent years).—Dec. 26; 6:30 a.m. to 5:30 p.m. Mostly overcast; temp. 32° to 48°; wind NE, under 10 m.p.h.; ground bare in lowlands, light snow in shade at high altitudes. Twenty observers in 10 parties. Total party-hours, 80 (70 on foot, 10 by car); total party-miles, 188 (81 on foot, 107 by car). Great Blue Heron, 1; Black Duck, 1; Turkey Vulture, 6; Cooper's Hawk, 2; Red-tailed Hawk, 1; Peregrine Falcon, 1; Sparrow Hawk, 2; Ruffed Grouse, 5; Bob-white, 8; Killdeer, 40; Mourning Dove, 45; Horned Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 4; Pileated Woodpecker, 14; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 9; Downy Woodpecker, 34; Eastern Phoebe, 10; Horned Lark, 65; Blue Jay, 20; Common Raven, 5; Am. Crow, 246; Black-capped and Carolina Chickadee, 251; Tufted Titmouse, 61; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 77; Brown Creeper, 16; Winter Wren, 10; Carolina Wren, 40; Mockingbird, 12; **Catbird,** 1; Am. Robin, 425; Hermit Thrush, 29; Eastern Bluebird, 83; Golden-crowned Kinglet, 73; Ruby-crowned Kinglet, 3; Cedar Waxwing, 20; Loggerhead Shrike, 3; Common Starling, 89; Myrtle Warbler, 28; House Sparrow, 83; Eastern Meadowlark, 45; Cardinal, 93; **Evening Grosbeak,** 75 (2 flocks, 1 within 20 feet—A.S.); Purple Finch, 21; Pine Siskin, 346; Am. Goldfinch, 144; Red Crossbill, 57; Eastern Towhee, 19; Slate-colored Junco, 200; Field Sparrow, 70; White-throated Sparrow, 62; Fox Sparrow, 1; Song Sparrow, 70. **Total,** 56 species (1 additional subspecies); about 3040 individuals. (Seen in area count period: White-winged Crossbill, first park record.)—R. James Becker, Richard C. Burns, Mary Ruth Chiles, Brockway Crouch, Mary Enloe, Elizabeth French, Mrs. Elsie S. Janson, Tony Koella, Richard R. Laurence, Mr. and Mrs. R. Frank Leonhard, James E. Liles, Dorothy MacLean, Mr. and Mrs. Robert A. Monroe, Elsie Morrell, Mrs. E. E. Overton, Paul S. Pardue, Arthur Stupka, James T. Tanner (Tenn. Ornithological Society, National Park Service, guests).

254. Johnsonville, Tenn. (7½-mile radius centering at Johnsonville Steam Plant, extending eastward and southward on Tennessee National Wildlife Refuge, including Duck River dewatering area, adjacent portions of Kentucky Lake, westward to Camden; riverbottom farmland 50%, marshes 10%, open water and shoreline 20%, urban 5%, highways 5%, brush 5%, hardwood bordered sloughs 5%).—Jan. 2; 7 a.m. to 5 p.m. Clear; temp. 44° to 60°; wind SW to NW, 0-20 m.p.h.; ground comparatively dry, marshes mostly dry. Twenty-three observers in 5 parties. Total party-hours, 36 (27 on foot, 8 by car, 1 by plane); total party-miles, 250 (20 on foot, 160 by car, 70 by plane). Pied-billed Grebe, 3; Double-crested Cormorant, 500; Great Blue Heron, **299**; Canada Goose, 2550; Blue Goose, 11; Mallard, 45,000; Black Duck, 450; Gadwall, 1000; Am. Widgeon, 90; Pintail, 2000; Green-winged Teal, 4; Wood Duck, 3; Ring-necked Duck, 12; Buffle-head, 7; Hooded Merganser, 16; Black Vulture, 2; Red-tailed Hawk, 29; Red-shouldered Hawk, 3; Bald Eagle, 13; Marsh Hawk, 21; Sparrow Hawk, 6; Bob-white, 20; Killdeer, 40; Herring Gull, 9; Ring-billed Gull, 1000; Mourning Dove, 207; Screech Owl, 1; Barred Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 14; Pileated Woodpecker, 3; Red-bellied Woodpecker, 19; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 1; Downy Woodpecker, 16; Eastern Phoebe, 1; Blue Jay, 47; Am. Crow, 5000; Carolina Chickadee, 59; Tufted Titmouse, 30; Brown Creeper, 3; Winter Wren, 1; Bewick's Wren, 7; Carolina Wren, 30; Mockingbird, 30; Am. Robin, 21; Hermit Thrush, 3; Eastern Bluebird, 92; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 2; Water Pipit, 8; Cedar Waxwing, 20; Loggerhead Shrike, 10; Common Starling, 830; Myrtle Warbler, 2; House Sparrow, 42; Eastern Meadowlark, 132; Red-winged Blackbird, 7000; Purple Grackle, 2000; Cardinal, 211; Purple Finch, 14; Am. Goldfinch, 255; Eastern Towhee, 12; Savannah Sparrow, 39; Slate-colored Junco, 302; Field Sparrow, 114; White-crowned Sparrow, 62; White-throated Sparrow, 106; Fox Sparrow, 18; **Lincoln's Sparrow,** 1; Swamp Sparrow, 303; Song Sparrow, 222. **Total,** 73 species; about 70,398 individuals.—O. C. Ault, Evelyn Barbig, Howard Barbig, Mrs. W. F. Bell, Ruth Castles, Mrs. W. O. Collins, Jim Cornette, Norman Crain, Eugene Cypert, Mary Louise Cypert, A. F. Ganier, Frances F. Hager, Hunter Hancock, Gerhard Megow, Gerlinda Megow, Charles E. McPherson, John Ogden, Jennie Riggs, Ed Schreiber, Bill Sledd, Parker B. Smith, L. D. Thompson, Charles M. Weise.

255. Kingsport, Tenn. (7½-mile radius, center Pactolus; residential 10%, fields 20%, deciduous woods 40%, ponds and lakes 30%).—Dec. 26; 7:15 a.m. to 5 p.m.; temp. 30° to 50°; windy. Twenty observers in 9 parties. Total party-hours, 52 (48 on foot, 4 by car); total party-miles, 110 (50 on foot, 60 by car). Pied-billed Grebe, 1; Great Blue Heron, 1; **Little Blue Heron,** 1; Canada Goose, 3; Mallard, 402; Black Duck, 50; Wood Duck, 1; Canvas-back, 4; Lesser Scaup, 48; Turkey Vulture, 6; Black Vulture, 8; Cooper's Hawk, 1; Sparrow Hawk, 4; Killdeer, 18; Herring Gull, 2; Mourning Dove, 91; Belted Kingfisher, 4; Yellow-shafted Flicker, 7; Pileated Woodpecker, 4; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 14; Eastern Phoebe, 8; Blue Jay, 35; Am. Crow, 104; Carolina Chick-

adee, 150; Tufted Titmouse, 58; White-breasted Nuthatch, 4; Brown Creeper, 1; Carolina Wren, 33; Mockingbird, 35; Am. Robin, 18; Hermit Thrush, 2; Eastern Bluebird, 79; Cedar Waxwing, 1; Common Starling, 1000; Myrtle Warbler, 51; Pine Warbler, 3; Palm Warbler, 3; House Sparrow, 250; Eastern Meadowlark, 9; Purple Grackle, 60; Cardinal, 160; Purple Finch, 4; Am. Goldfinch, 111; Eastern Towhee, 21; Slate-colored Junco, 61; Field Sparrow, 33; White-crowned Sparrow, 10; White-throated Sparrow, 76; Song Sparrow, 25. **Total,** 52 species; about 3081 individuals.—Dr. and Mrs. M. J. Adams, Mr. and Mrs. W. E. Gift, Mr. and Mrs. James J. Griffith, Mrs. C. A. Harris, Jr., Dr. and Mrs. W. B. Hincke, Mr. and Mrs. W. C. McHorris, Bill McHorris, Mr. and Mrs. George Rodgers, Mr. and Mrs. Merle Pike, Mrs. Winston Smith, Mrs. Robert M. Switzer, Robert M. Switzer, Jr., Howard Young.

256. **Memphis, Tenn.** (1953 areas generally; wooded bottomlands 25%, deciduous woodlands including city parks 20%, pastures, airfields, farms 25%, suburban roadsides 25%, island willow thickets and river's edge 5%).—Dec. 26; 6:45 a.m. to 5:15 p.m. Overcast a.m., partly cloudy p.m.; temp. 47° to 52°; wind NE, 5-12 m.p.h. Thirty observers in 8 parties. Total party-hours, 107 (82 on foot, 25 by car); total party-miles, 229 (73 on foot, 156 by car). Pied-billed Grebe, 2; Great Blue Heron, 2; Canada Goose, 40; Mallard, 25; Pintail, 15; Ring-necked Duck, 2; Canvas-back, 2; Lesser Scaup, 180; Turkey Vulture, 3; Black Vulture, 6; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 27; Red-shouldered Hawk, 9; **Rough-legged Hawk, 2** (H.H.W., *et al.*); Marsh Hawk, 4; Sparrow Hawk, 40; Bob-white, 154; Am. Coot, 2; Killdeer, 79; Herring Gull, 2; Ring-billed Gull, 250; Mourning Dove, 266; Screech Owl, 1; Horned Owl, 1; Barred Owl, 2; Belted Kingfisher, 12; Yellow-shafted Flicker, 152; Pileated Woodpecker, 1; Red-bellied Woodpecker, 72; Red-headed Woodpecker, 88; Yellow-bellied Sapsucker, 11; Hairy Woodpecker, 20; Downy Woodpecker, 74; Eastern Phoebe, 2; Horned Lark, 392; Blue Jay, 534; Am. Crow, 76; Carolina Chickadee, 186; Tufted Titmouse, 122; White-breasted Nuthatch, 3; Brown Creeper, 12; Winter Wren, 9; Bewick's Wren, 1; Carolina Wren, 138; Mockingbird, 166; **Catbird,** 1; Brown Thrasher, 42; Am. Robin, 975; Hermit Thrush, 25; Eastern Bluebird, 32; Golden-crowned Kinglet, 59; Ruby-crowned Kinglet, 9; Cedar Waxwing, 98; Loggerhead Shrike, 40; Common Starling, 200,000; **Solitary Vireo,** 1 (H.L., Mrs. B.C.); Myrtle Warbler, 118; House Sparrow, 544; Eastern Meadowlark, 395; Western Meadowlark, 3; Red-winged Blackbird, 100,000; Rusty Blackbird, 18; Purple Grackle, 800,000; Brown-headed Cowbird, 100,000; Cardinal, 700; Purple Finch, 76; Am. Goldfinch, 161; Eastern Towhee, 136; Savannah Sparrow, 55; Leconte's Sparrow, 4 (B.C.); Slate-colored Junco, 750; Field Sparrow, 163; Harris's Sparrow, 6 (2 parties); White-crowned Sparrow, 142; White-throated Sparrow, 1943; Fox Sparrow, 76; Swamp Sparrow, 122; Song Sparrow, 474; Lapland Longspur, 99; **Smith's Longspur,** 1 (B.C.). **Total,** 81 species; about 1,210,459 individuals.—Mr. and Mrs. Ben B. Coffey, Jr., John T. Bigham, David Brown, Mr. and Mrs. Frederick T. Carney, Mary Davant, Richmond Gill, Jr., Oliver Irwin, Luther F. Keeton, Lawrence C. Kent, Edward M. King, Harry Landis, Jr., Charles Marcus, Mrs. J. H. McWhorter, Nelle Moore, Mrs. Turner Morehead, George Peyton, Jr., Edwin Poole, Jackie Rini, S. J. Rini, Don Roach, Charles Seahorn, Jr., Alice Smith, Mrs. Arlo I. Smith, R. Demett Smith, Jr., Mrs. M. L. Torti, Wendell Whittemore, Harry H. Wilcox, Mrs. Rose Wooldridge. (Memphis Chapter, T.O.S.).

257. **Nashville, Tenn.** (same localities as past 5 years).—Dec. 26; 6:30 a.m. to 5:30 p.m. Clear; temp. 35° to 56°; wind NE to E, 5-16 m.p.h.; ground bare and frozen at start, sloughs dry. Twenty-nine observers in 8 parties. Total party-hours, 95 (76 on foot, 19 by car); total party-miles, 114 (32 on foot, 82 by car). Pied-billed Grebe, 2; Great Blue Heron, 2; **Black-crowned Night Heron,** 1; Mallard, 38; Black Duck, 3; Am. Widgeon, 4; Green-winged Teal, 1; Ring-necked Duck, 62; Canvas-back, 20; Greater Scaup, 1; Lesser Scaup, 22; Am. Golden-eye, 7; Hooded Merganser, 2; Am. Merganser, 1; Black Vulture, 11; Cooper's Hawk, 1; Red-tailed Hawk, 8; Marsh Hawk, 5; Sparrow Hawk, 13; Bob-white, 24; Ring-necked Pheasant, 1; Killdeer, 80; Wilson's Snipe, 2; **Red-backed Sandpiper,** 1 (present since Oct.); Ring-billed Gull, 1; Mourning Dove, 100; Horned Owl, 2; Barred Owl, 2; Short-eared Owl, 1; Belted Kingfisher, 10; Yellow-shafted Flicker, 34; Pileated Woodpecker, 16; Red-bellied Woodpecker, 28; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 9; Downy Woodpecker, 98; Eastern Phoebe, 2; Horned Lark, 190; Blue Jay, 22; Am. Crow, 280; Carolina Chickadee, 196; Tufted Titmouse, 134; White-breasted Nuthatch, 1; Brown Creeper, 12; Winter Wren, 6; Bewick's Wren, 17; Carolina Wren, 81; Mockingbird, 80; Am. Robin, 143; Hermit Thrush, 5; Eastern Bluebird, 184; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 3; Water Pipit, 9; Cedar Waxwing, 128; Loggerhead Shrike, 10; Common Starling, 6700; Myrtle Warbler, 49; **Palm Warbler,** 3; House Sparrow, 160; Eastern Meadowlark, 147; Red-winged Blackbird, 47; Purple Grackle, 17; Brown-headed Cowbird, 18; Cardinal, 324; Purple Finch, 11; Pine Siskin, 2; Am. Goldfinch, 410; Eastern Towhee, 41; Savannah Sparrow, 5; Slate-colored Junco, 324; Field Sparrow, 43; White-crowned Sparrow, 87; White-throated Sparrow, 140; Fox Sparrow, 6; Swamp Sparrow, 53; Song Sparrow, 88. **Total,** 77 species; about 10,804 individuals.—Mr. and Mrs. B. H. Abernathy, Mr. and Mrs. Joe Bailey, Mrs. W. F. Bell, Ruth Castles, Mrs. Leon DeBrohun, Mr. and Mrs. Edwin S. Davis, Charles Farrar, Albert F. Ganier (compiler), William Gerth, Edward Gleaves, Alice and Frances Hager, Helen Howell, J. P. Jones, William Little, Al Mayfield, Mr. and Mrs. G. R. Mayfield, Eddie Notebaert, John Ogden, H. E. Parmer, Jennie Riggs, James Robins, Dan Schreiber, Charles Weise, Ruth White(Nashville Chapter, T.O.S.).

258. Reelfoot Lake, Tenn. (same area as in past; lake 25%, marsh 8%, roadside 12%, fields, farms and pasture 10%, cypress swamp 10%, wooded bottoms 25%, wooded hillsides 10%).—Dec. 26; 6:45 a.m. to 5:15 p.m. Clear; temp. 45° to 53°; wind NE, 20-25 m.p.h. Eleven observers in 4 parties. Total party-hours, 40 (26 on foot, 4 by car, 10 by boat); total party-miles, 147 (35 on foot, 80 by car, 32 by boat). Pied-billed Grebe, 1; Double-crested Cormorant, 29; Great Blue Heron, 57; Am. Egret, 1; Canada Goose, 2600 (2 Hutchin's); Mallard, 70,000; Black Duck, 340; Gadwall, 2050; Am. Widgeon, 212; Pintail, 24; Green-winged Teal, 24; Blue-winged Teal, 1; Shoveller, 781; Wood Duck, 3; Redhead, 3; Ring-necked Duck, 20,000; Canvas-back 1202; Lesser Scaup, 4041; Am. Golden-eye, 18; Buffle-head, 2; Ruddy Duck, 41; Hooded Merganser, **2002**; Black Vulture, 20; Cooper's Hawk, 2; Red-tailed Hawk, 11; Red-shouldered Hawk, 1; Bald Eagle, 19; Marsh Hawk, 4; Peregrine Falcon, 1; Sparrow Hawk, 6; Bob-white, 1; Am. Coot, 150; Killdeer, 8; Herring Gull, 2; Ring-billed Gull, 141; Mourning Dove, 34; Horned Owl, 3; Barred Owl, 3; Belted Kingfisher, 7; Yellow-shafted Flicker, 35; Pileated Woodpecker, 6; Red-bellied Woodpecker, 39; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 29; Eastern Phoebe, 2; Horned Lark, 2; Blue Jay, 38; Am. Crow, 210; Carolina Chickadee, 63; Tufted Titmouse, 41; White-breasted Nuthatch, 2; Brown Creeper, 5; Winter Wren, 3; Bewick's Wren, 2; Carolina Wren, 29; Mockingbird, 13; Brown Thrasher, 1; Am. Robin, 8; Eastern Bluebird, 25; Golden-crowned Kinglet, 14; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 23; Common Starling, 20,000; Myrtle Warbler, 3; House Sparrow, 200; Eastern Meadowlark, 19; Red-winged Blackbird, 4,000,000; Purple Grackle, 400,000; Brown-headed Cowbird, 5000; Cardinal, 269; Purple Finch, 25; Am. Goldfinch, 46; Eastern Towhee, 1; Savannah Sparrow, 2; Grasshopper Sparrow, 1; Slate-colored Junco, 92; Am. Tree Sparrow, 1; Chipping Sparrow, 3; Field Sparrow, 23; White-crowned Sparrow, 2; White-throated Sparrow, 183; Fox Sparrow, 5; Swamp Sparrow, 68; Song Sparrow, 40. **Total,** 86 species (1 additional subspecies); about 4,530,426 individuals. (Seen in area count week: Snowy Egret, Turkey Vulture, Water Pipit, Rusty Blackbird.)—Howard Barbig (compiler), Evelyn Barbig, Dara Childs, Mary Lou Cypert, Eugene Cypert, W. Fickle, Mr. and Mrs. Hunter M. Hancock, Crockett Mathis, Charles McPherson, L. D. Thompson.

259. Roan Mountain, Tenn.–N. C. (Carter and Mitchell Counties; approaches [from 3750 ft.] to Carver's Gap [5500 ft.], Grassy Bald [6200 ft.] Low Gap [5100 ft.], return same route by-passing top of Grassy Bald; deciduous woodland 65%, grassy area partly overgrown with alders 35%).—Dec. 24; 7 a.m. to 6:10 p.m. Cloudy a.m., sunny p.m.; temp. 43° to 52°; wind SW to S, 3-15 m.p.h.; 10-in. old snow on north slopes. One observer. Total hours, 11; total miles, 12 (all on foot). Ruffed Grouse, 2; Hairy Woodpecker, 4; Downy Woodpecker, 3; Blue Jay, 4; Common Raven, 2; Am. Crow, 1; Carolina Chickadee, 2; Tufted Titmouse, 7; White-breasted Nuthatch, 3; Winter Wren, 1; **Evening Grosbeak, 34**; Pine Siskin, 56; Am. Goldfinch, 1; Eastern Towhee, 3; Slate-colored Junco, 20. **Total,** 15 species; 143 individuals. (Seen in area count week: Red-breasted Nuthatch, Cardinal, Purple Finch, White-throated Sparrow, Fox Sparrow.)—Fred W. Behrend.

260. Birmingham, Ala. (same 15-mile diameter circle as for many years, centering in New Merkle and including East Lake, Lake Purdy, Oak Mountain, Elmwood Cemetery; oak-pine woodland 35%, woodland borders 18%, short grass fields 13%, tall grass, weeds and corn 13%, lakes 10%, suburban 6%, bottomland hardwoods 5%).—Dec. 26; 6 a.m. to 5 p.m. Clear to overcast; temp. 45° to 65°; wind NE, 7-8 m.p.h.; year's rainfall deficiency 6.57 inches; warming after season's low of 17° on Dec. 16. Thirteen observers in 5 parties. Total party-hours, 40 (35 on foot, 5 by car); total party-miles, 170 (35 on foot, 135 by car). **Common Loon,** 1 (2nd count record); Pied-billed Grebe, 52; Great Blue Heron, 6; **Blue Goose,** 1 (present since Nov.—M.H.P.); Ring-necked Duck, 108; Canvas-back, **59**; Lesser Scaup, 38; **Am. Golden-eye, 2**; merganser (sp.), 25; Turkey Vulture, 7; Black Vulture, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 7; **Harlan's Hawk,** 1 [full page of careful convincing details submitted by observer, T.I.—Ed.]; Red-shouldered Hawk, 7; Marsh Hawk, 1; Peregrine Falcon, 1; Sparrow Hawk, 6; Bob-white, 47 (4 coveys); Am. Coot, 285; Killdeer, 93; Wilson's Snipe, 7; Mourning Dove, 35; Screech Owl, 1; Horned Owl, 2; Barred Owl, 2; Belted Kingfisher, **15**; Yellow-shafted Flicker, **82**; Pileated Woodpecker, 7; Red-bellied Woodpecker, 18; Red-headed Woodpecker, 15; Yellow-bellied Sapsucker, 10; Hairy Woodpecker, 4; Downy Woodpecker, 17; Red-cockaded Woodpecker, 10; Eastern Phoebe, 2; **Horned Lark, 14** (T.I.); Blue Jay, **157**; Am. Crow, **84**; Carolina Chickadee, 71; Tufted Titmouse, 68; White-breasted Nuthatch, **24**; Red-breasted Nuthatch, 4; Brown-headed Nuthatch, 10; Brown Creeper, 7; Winter Wren, 1; Bewick's Wren, 4; Carolina Wren, 78; Mockingbird, 93; Brown Thrasher, 12; Am. Robin, 118; Hermit Thrush, 31; Eastern Bluebird, 101; Golden-crowned Kinglet, 45; Ruby-crowned Kinglet, 51; Water Pipit, 40; Cedar Waxwing, 23; Loggerhead Shrike, **24**; Common Starling, 600; **Solitary Vireo,** 1 (F.B.D.); Myrtle Warbler, **117**; Pine Warbler, **67**; Palm Warbler, 4; **Common Yellowthroat, 3**; House Sparrow, 261; Eastern Meadowlark, 205; Red-winged Blackbird, 620; Rusty Blackbird, 102; Purple Grackle, 221; Brown-headed Cowbird, 61; Cardinal, 173; Purple Finch, 35; Pine Siskin, 1; Am. Goldfinch, 212; Eastern Towhee, **300**; Savannah Sparrow, 13; **Leconte's Sparrow,** 1 (present since Nov., carefully identified—F.D.); Vesper Sparrow, 11; Pine-woods Sparrow, 2; Slate-colored Junco, 248; Chipping Sparrow, 49; Field Sparrow, 116; White-crowned Sparrow, 7; White-throated Sparrow, **538**; Fox Sparrow, 7; Swamp Sparrow, 67; Song Sparrow, **224**. **Total,** 88 species; about 6303 individuals. (Just outside circle

during count period: Sora, Long-billed Marsh Wren.) —Lucy Barclift, S. Cobb Barclift, Ruth Brunson, Blanche H. Chapman, Ruth Copeland, F. Bozeman Daniel, Mildred Ferris, Malcolm Harden, Jr., Thomas A. Imhof (compiler), Morton H. Perry, Morton H. Perry, Jr., Robert Perry, M. F. Prather (Birmingham Audubon Society).

261. **Decatur, Ala.** (Wheeler National Wildlife Refuge, Flint Creek Island, through Decatur, 12 miles along north shore of Tennessee River from Whitesides to Blackwell Slough; sloughs managed for waterfowl 60%, lakes, rivers, ponds 12%, woodland borders 10%, plowed fields, pastures, etc. 10%, bottomland hardwoods 8%).—Dec. 31; 6:20 a.m. to 6 p.m. Clear; temp. 24° to 45°; wind NE to ESE, 5-18 m.p.h.; ice along shores until 9, water levels rather low in Tennessee River and refuge sloughs. Two observers in 1 party. Total party-hours, 11 (4 on foot, 7 by car); total party-miles, 44 (4 on foot, 40 by car). Pied-billed Grebe, 5; Great Blue Heron, 53; Canada Goose, 3800; Mallard, 13,200; Black Duck, 240; Gadwall, 145; Am. Widgeon, 4150; Pintail, 90; Green-winged Teal, 7; Shoveller, 2; Wood Duck, 2; Ring-necked Duck, 615; Canvas-back, 9; Am. Golden-eye, 1; Buffle-head, 5; Ruddy Duck, 8; Hooded Merganser, 315; Turkey Vulture, 7; Cooper's Hawk, 2; Red-tailed Hawk, 31; Red-shouldered Hawk, 2; Bald Eagle, 2; Marsh Hawk, 6; Peregrine Falcon, 1; Am. Coot, 7; Killdeer, 230; Least Sandpiper, 30; Herring Gull, 20; Ring-billed Gull, 740; Mourning Dove, 85; Belted Kingfisher, 1; Yellow-shafted Flicker, 12; Red-bellied Woodpecker, 5; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 1; Horned Lark, 5; Blue Jay, 65; Am. Crow, 8200+; Carolina Chickadee, 5; Tufted Titmouse, 4; Carolina Wren, 3; Mockingbird, 20; Brown Thrasher, 1; Am. Robin, 13; Hermit Thrush, 3; Eastern Bluebird, 1; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 3; Water Pipit, 2; Loggerhead Shrike, 14; Common Starling, 2100; Myrtle Warbler, 8; House Sparrow, 110; Eastern Meadowlark, 95; Red-winged Blackbird, 1060; Rusty Blackbird, 625; Purple Grackle, 2040; Brown-headed Cowbird, 55; Cardinal, 150; Purple Finch, 1; Am. Goldfinch, 121; Eastern Towhee, 16; Savannah Sparrow, 1; Slate-colored Junco, 45; Field Sparrow, 60; White-crowned Sparrow, 40; White-throated Sparrow, 112; Fox Sparrow, 4; Swamp Sparrow, 23; Song Sparrow, 27. **Total,** 71 species; about 38,866 individuals. (Seen count period: Snow Goose, Blue Goose, Sparrow Hawk, Bob-white, Lesser Scaup.)—Thomas Z. Atkeson, Thomas A. Imhof (compiler).

262. **Marion, Ala.** (6-mile radius including Marion Fish Cultural Station, Judson College Campus, Lakeland Farm; ponds, lakes and borders 50%, deciduous woods mixed with conifers 25%, swampy riverbottom 25%).—Dec. 31; 7 a.m. to 4 p.m. Clear; temp. 28° to 48°; wind NE, 5 m.p.h. One observer. Total hours, 9 (4 on foot, 5 by car); total miles, 26 (4 on foot, 22 by car). Pied-billed Grebe, 3; Great Blue Heron, 6; **Am. Egret, 2**; Mallard, 218; Gadwall, 5; Am. Widgeon, 25; Pintail, 27; Green-winged Teal, 130; **Shoveller, 3**; Redhead, 4; Ring-necked Duck, 101; Ruddy Duck, 4; **Hooded Merganser, 32**; Turkey Vulture, 4; Black Vulture, 16; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 2; Bob-white, 1; Am. Coot, 1; Killdeer, 100; Wilson's Snipe, 22; Least Sandpiper, 32; Belted Kingfisher, 2; Yellow-shafted Flicker, 7; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 3; Horned Lark, 25; Blue Jay, 11; Am. Crow, 13; Carolina Chickadee, 4; Tufted Titmouse, 5; White-breasted Nuthatch, 4; Brown-headed Nuthatch, 2; House Wren, 2; Carolina Wren, 5; Mockingbird, 9; Brown Thrasher, 3; Am. Robin, 199; Hermit Thrush, 3; Eastern Bluebird, 5; Golden-crowned Kinglet, 11; Ruby-crowned Kinglet, 4; Water Pipit, 152; Loggerhead Shrike, 7; Common Starling, 12; Solitary Vireo, 1; Myrtle Warbler, 35; Pine Warbler, 1; Common Yellowthroat, 1; House Sparrow, 16; Eastern Meadowlark, 41; Red-winged Blackbird, 250; Rusty Blackbird, 3; Purple Grackle, 10; Cardinal, 27; Am. Goldfinch, 22; Eastern Towhee, 12; Savannah Sparrow, 6; Pine-woods Sparrow, 8; Slate-colored Junco, 14; Field Sparrow, 2; White-crowned Sparrow, 18; White-throated Sparrow, 64; Swamp Sparrow, 3; Song Sparrow, 10. **Total,** 70 species; about 1783 individuals.—Lois McCollough.

263. **Mobile, Ala.** (15-mile diameter including Causeway across upper Mobile Bay, Mobile River, Mobile and suburbs, Spring Hill College; river, bay, ponds 30%, marshlands, beaches 30%, upland deciduous and evergreen woods 25%, weedy pastures and roadsides 10%, cultivated fields 5%).—Dec. 28; 7:30 a.m. to 5:30 p.m. Clear to cloudy; temp. 53° to 67°; wind S to SW, 4-12 m.p.h. One observer. Total hours, 10 (7 on foot, 2 by car, 1 by electric car around golf course); total miles, 38 (12 on foot, 17 by car, 9 by electric car). Common Loon, 2; Horned Grebe, 10; Pied-billed Grebe, 3; White Pelican, 11; Brown Pelican, 8; Double-crested Cormorant, 4; Great Blue Heron, 2; Am. Egret, 12; Snowy Egret, 9; Mallard, 4; Black Duck, 3; Gadwall, 475; Am. Widgeon, 6; Pintail, 250; Green-winged Teal, 12; Blue-winged Teal, 15; Redhead, 11; Ring-necked Duck, 186; Canvas-back, 198; Lesser Scaup, 73; Buffle-head, 3; Ruddy Duck, 5; Red-breasted Merganser, 5; Turkey Vulture, 3; Black Vulture, 6; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Marsh Hawk, 4; Sparrow Hawk, 5; Bob-white, 2; Clapper Rail, 2; Sora, 2; Florida Gallinule, 3; Am. Coot, 365; Killdeer, 53; Wilson's Snipe, 2; Least Sandpiper, 7; Red-backed Sandpiper, 15; Semipalmated Sandpiper, 3; Herring Gull, 23; Ring-billed Gull, 18; Forster's Tern, 12; Common Tern, 2; Royal Tern, 8; Caspian Tern, 11; Black Skimmer, 25; Mourning Dove, 6; Screech Owl, 1; Barred Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 5; Downy Woodpecker, 2; Eastern Phoebe, 6; Tree Swallow, 15; Blue Jay, 12; Am. Crow, 52; Fish Crow, 10; Carolina Chickadee, 3; Tufted Titmouse,

5; Brown-headed Nuthatch, 2; Brown Creeper, 1; House Wren, 2; Winter Wren, 1; Carolina Wren, 12; Long-billed Marsh Wren, 4; Mockingbird, 15; Catbird, 1; Brown Thrasher, 7; Am. Robin, 355; Hermit Thrush, 2; Eastern Bluebird, 12; Blue-gray Gnatcatcher, 2; Ruby-crowned Kinglet, 15; Water Pipit, 55; Cedar Waxwing, 25; Loggerhead Shrike, 14; Common Starling, 520; White-eyed Vireo, 2; Solitary Vireo, 3; Orange-crowned Warbler, 11; Myrtle Warbler, 515; Pine Warbler, 5; Palm Warbler, 5; Common Yellowthroat, 8; House Sparrow, 28; Eastern Meadowlark, 7; Red-winged Blackbird, 482; **Brewer's Blackbird,** 95 (both sexes, carefully identified); Boat-tailed Grackle, 35; Purple Grackle, 62; Brown-headed Cowbird, 10; Cardinal, 18; Am. Goldfinch, 12; Eastern Towhee, 4; Savannah Sparrow, 152; **Leconte's Sparrow,** 1 (carefully identified); Sharp-tailed Sparrow, 2; Vesper Sparrow, 22; Chipping Sparrow, 4; Field Sparrow, 3; White-throated Sparrow, 528; Swamp Sparrow, 28; Song Sparrow, 9. **Total,** 106 species; about 5110 individuals.—Rev. J. L. Dorn.

264. Hickory Flat, Miss. (Oklimeter Creek near town, Highway 5 N, including pine ridge 3 miles north, Chilly Creek, Tippah River valley west, Blue Mt. road; deciduous woods 35%, upland pine 20%, roadsides, weedy fields 35%, pastures 10%).—Dec. 25; 7 a.m. to 4:30 p.m. Overcast, fog to 10 a.m.; temp. 61° to 66°; wind calm. Three observers, 1 all day, 2 together on foot part of a.m. Total party-hours, 11 (6 on foot, 5 by car); total party-miles, 41 (6 on foot, 35 by car). Turkey Vulture, 7; Black Vulture, 11; Red-tailed Hawk, 2; Sparrow Hawk, 2; Bobwhite, 15; Killdeer, 7; Mourning Dove, 16; Belted Kingfisher, 1; Yellow-shafted Flicker, 17; Pileated Woodpecker, 7; Red-bellied Woodpecker, 10; Hairy Woodpecker, 7; Downy Woodpecker, 20; Blue Jay, 66; Am. Crow, 10; Carolina Chickadee, 35; Tufted Titmouse, 27; White-breasted Nuthatch, 6; Brown Creeper, 2; Winter Wren, 1; Bewick's Wren, 2; Carolina Wren, 43; Mockingbird, 15; Brown Thrasher, 1; Am. Robin, 155; Hermit Thrush, 13; Eastern Bluebird, 27; Golden-crowned Kinglet, 33; Ruby-crowned Kinglet, 7; Cedar Waxwing, 8; Loggerhead Shrike, 15; Common Starling, 25; Myrtle Warbler, 6; Pine Warbler, 9; House Sparrow, 73; Eastern Meadowlark, 127; **Western Meadowlark,** 1 (B.C.); Red-winged Blackbird, 86; Rusty Blackbird, 16; Purple Grackle, 274; Cardinal, 99; Am. Goldfinch, 32; Eastern Towhee, 5; Savannah Sparrow, 9; Slate-colored Junco, 99; Field Sparrow, 70; White-crowned Sparrow, 1; White-throated Sparrow, 71; Fox Sparrow, 4; Swamp Sparrow, 56; Song Sparrow, 132. **Total,** 51 species; about 1783 individuals.—Mr. and Mrs. Ben B. Coffey, Jr., Mrs. Cleo Yancey.

265. Moon Lake, Lula, Miss. (same route as 1952; lake from shoreline drive 20%, levee 5%, narrow timbered bayous 30%, other deciduous woods 20%, highway, old fields, pasture 25%).—Jan. 2; 6:45 a.m. to 5 p.m. Clear; temp. 40° to 60°; wind slight. Five observers in one car, separately on foot. Total party-hours, 13 (8 on foot, 5 by car); total party-miles, 80 (15 on foot, 65 by car). Horned Grebe, 14; Pied-billed Grebe, 1; Double-crested Cormorant, 3; Mallard, 10,247; Wood Duck, 2; Redhead, 25; Ring-necked Duck, 43; Canvas-back, 450; Lesser Scaup, 14; Ruddy Duck, 5000; Hooded Merganser, 153; Turkey Vulture, 2; Black Vulture, 9; Red-tailed Hawk, 5; **Rough-legged Hawk,** 1 (H.H.W.); Marsh Hawk, 3; Sparrow Hawk, 6; Bob-white, 5; Am. Coot, 29; Killdeer, 8; Wilson's Snipe, 8; Herring Gull, 5; Ring-billed Gull, 175; Mourning Dove, 98; Yellow-shafted Flicker, 24; Pileated Woodpecker, 1; Red-bellied Woodpecker, 20; Red-headed Woodpecker, 6; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 5; Downy Woodpecker, 12; Eastern Phoebe, 1; Horned Lark, 37; Blue Jay, 20; Am. Crow, 10; Carolina Chickadee, 18; Brown Creeper, 2; Winter Wren, 3; Carolina Wren, 8; Mockingbird, 27; Brown Thrasher, 1; Am. Robin, 36; Hermit Thrush, 4; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 5; Loggerhead Shrike, 19; Common Starling, 189; Myrtle Warbler, 6; House Sparrow, 363; Eastern Meadowlark, 71; **Western Meadowlark,** 1 (R.D.S.); Red-winged Blackbird, 162; Rusty Blackbird, 101; Purple Grackle, 99; Brown-headed Cowbird, 1; Cardinal, 136; Purple Finch, 9; Am. Goldfinch, 84; Eastern Towhee, 2; Savannah Sparrow, 26; Leconte's Sparrow, 1 (R.D.S.); Slate-colored Junco, 78; Field Sparrow, 15; White-crowned Sparrow, 44; White-throated Sparrow, 252; Fox Sparrow, 9; Swamp Sparrow, 31; Song Sparrow, 57; Lapland Longspur, 9. **Total,** 69 species; about 18,324 individuals. (Fletcher Field, 7 miles south, Dec. 31: Lapland Longspur, **6000**; Starlings and blackbirds leaving roost, 1,000,000, rough estimate—Ben Coffeys.)—Mary Davant, Oliver Irwin, Alice Smith, R. Demett Smith, Jr. (compiler), Harry H. Wilcox.

266. Natchez, Miss. (St. Catherine Creek at U. S. 61, Duncan Park, river front, Government, Fleet and Providence Roads to Carthage, north to Pine Ridge School, east to Adams County Airport, Stanton, Mound Road and Power Plant; deciduous woods 25%, pines 15%, pastures and airfields 35%, roadside and weedy fields 20%, river front 5%).—Jan. 1; 7 a.m. to 5:15 p.m. Clear; temp. 23° to 60°; wind calm to 10 a.m., then SSW, 5-15 m.p.h. Two observers together in car, separately on foot. Total party-hours, 13 (6 on foot, 7 by car); total party-miles, 50 (8 on foot, 42 by car). Double-crested Cormorant, 2; Turkey Vulture, 4; Black Vulture, 13; Cooper's Hawk, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 2; Sparrow Hawk, 7; Bob-white, 13; Killdeer, 38; Herring Gull, 12; Ring-billed Gull, 18; Mourning Dove, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 63; Pileated Woodpecker, 1; Red-bellied Woodpecker, 52; Red-headed Woodpecker, 106; Yellow-bellied Sapsucker, 8; Hairy Woodpecker, 4; Downy Woodpecker, 11; Eastern Phoebe, 10; Blue Jay, 161; Am. Crow, 21; Carolina Chickadee, 1; Tufted Titmouse, 27; Brown-headed Nuthatch, 1; House Wren, 2; Winter Wren, 1; Carolina Wren, 72; Mockingbird, 42; Brown Thrasher, 44; Am. Robin, 520; Hermit Thrush, 4; Eastern Blue-

bird, 12; Blue-gray Gnatcatcher, 1; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 28; Water Pipit, 130; Sprague's **Pipit, 2**; Cedar Waxwing, 446; Loggerhead Shrike, 15; Common Starling, 30; Myrtle Warbler, 160; Pine Warbler, 4; House Sparrow, 38; Eastern Meadowlark, 117; Red-winged Blackbird, 35; Rusty Blackbird, 205; Purple Grackle, 32; Cardinal, 248; Purple Finch, 15; Am. Goldfinch, 20; Eastern Towhee, 82; Savannah Sparrow, 68; Leconte's Sparrow, 1; Slate-colored Junco, 23; Chipping Sparrow, 2; Field Sparrow, 22; White-throated Sparrow, 1451; Fox Sparrow, 5; Swamp Sparrow, 18; Song Sparrow, 34. **Total,** 62 species; about 4513 individuals.—Mr. and Mrs. Ben B. Coffey, Jr.

267. **Noxubee National Wildlife Refuge, Miss.** (northern half of tract, about 5 miles diameter; mixed woods 60%, lake and cypress swamp 20%, streams 2%, fields 18%).—Jan. 1; 7:30 a.m. to 5 p.m. Clear to partly cloudy; temp. 34° to 57°; wind S to SE, 0-10 m.p.h. Two observers in 1 party. Total party-hours, 9½ (8 on foot, 1½ by car); total party-miles 14 (7 on foot, 7 by car). Pied-billed Grebe, 12; Double-crested Cormorant, 30; Great Blue Heron, 5; Am. Egret, 5; Canada Goose, 35; Mallard, 765; Gadwall, 4; Am. Widgeon, 8; Pintail, 1; Blue-winged Teal, 1; Wood Duck, 3; Canvas-back, 35; Buffle-head, 7; Ruddy Duck, 57; Hooded Merganser, 2; Turkey Vulture, 17; Black Vulture, 47; Red-shouldered Hawk, 1; Sparrow Hawk, 1; Am. Coot, 200; Killdeer, 12; Ring-billed Gull, 5; Mourning Dove, 2; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 12; Pileated Woodpecker, 1; Red-bellied Woodpecker, 11; Red-headed Woodpecker, 20; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 5; Eastern Phoebe, 5; Blue Jay, 20; Am. Crow, 10; Carolina Chickadee, 6; Tufted Titmouse, 2; White-breasted Nuthatch, 3; Brown Creeper, 4; Winter Wren, 4; Carolina Wren, 5; Mockingbird, 17; Brown Thrasher, 2; Am. Robin, 5; Hermit Thrush, 5; Eastern Bluebird, 12; Ruby-crowned Kinglet, 10; Cedar Waxwing, 6; Loggerhead Shrike, 10; Common Starling, 52; Myrtle Warbler, 22; Pine Warbler, 1; House Sparrow, 25; Eastern Meadowlark, 18; Red-winged Blackbird, 12; Rusty Blackbird, 8; Cardinal, 69; Purple Finch, 6; Am. Goldfinch, 23; Eastern Towhee, 45; Slate-colored Junco, 14; Field Sparrow, 2; White-throated Sparrow, 85; Swamp Sparrow, 1; Song Sparrow, 6. **Total,** 64 species; about 1823 individuals.—Lois Almon, Georgiana Brown.

268. **Raleigh, Miss.** (within boundaries of Strong River R. D. of Bienville National Forest, starting point Raleigh).—Dec. 25; 6:30 a.m. to 6 p.m. Clear, then fog, cloudy, clear again at 3 p.m.; temp. 60° to 75°; wind SW, 3 m.p.h. One observer. Total hours, 11 (8 on foot, 3 by car); total miles, 94 (10 on foot, 84 by car). Black Vulture, 21; Red-tailed Hawk, 1; Killdeer, 20; Mourning Dove, 15; Horned Owl, 4; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 13; Pileated Woodpecker, 2; Red-bellied Woodpecker, 3; Hairy Woodpecker, 4; Downy Woodpecker, 11; Eastern Phoebe, 5; Blue Jay, 35; Am. Crow, 19; Carolina Chickadee, 106; Tufted Titmouse, 51; White-breasted Nuthatch, 2; Carolina Wren, 2; Mockingbird, 2; Brown Thrasher, 3; Am. Robin, 59; Hermit Thrush, 11; Eastern Bluebird, 29; Golden-crowned Kinglet, 30; Loggerhead Shrike, 4; Myrtle Warbler, 41; Pine Warbler, 1; House Sparrow, 2; Eastern Meadowlark, 50; Rusty Blackbird, 40; Cardinal, 22; Am. Goldfinch, 20; Eastern Towhee, 21; Slate-colored Junco, 107; Chipping Sparrow, 20; Field Sparrow, 40; White-throated Sparrow, 60; Song Sparrow, 1. **Total,** 39 species; 879 individuals.—Nelson W. Taylor.

269. **Allendale, Mich.** (7½-mile radius including parts of Pigeon Creek, Crockery Creek, Bass River, Grand River between Allendale and Grand Haven; villages 5%, cultivated fields and wastelands 25%, coniferous plantings 5%, marshes 5%, along streams and lakes 25%, maple-cedar swamps 25%, maple-oak forest 10%).—Dec. 26; 8 a.m. to 5 p.m. Clear; temp. 21° to 35°; wind N, 1-12 m.p.h; snow in marshes and swamps, streams and small lakes frozen. One observer. Total hours, 9 (3½ on foot, 5½ by car); total miles, 90 (5 on foot, 85 by car). Canvas-back, 10; scaup (sp.), 5; Am. Golden-eye, 128; Buffle-head, 3; Am. Merganser, 4; Sharp-shinned Hawk, 1; Red-tailed Hawk, 3; Rough-legged Hawk, 4; Sparrow Hawk, 1; Ring-necked Pheasant, 68; Herring Gull, 472; Mourning Dove, 4; Horned Owl, 1; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 1; Hairy Woodpecker, 10; Downy Woodpecker, 16; Blue Jay, 31; Am. Crow, 23; Black-capped Chickadee, 28; Tufted Titmouse, 9; White-breasted Nuthatch, 17; Brown Creeper, 4; Winter Wren, 1; Common Starling, 110; House Sparrow, 135; Cardinal, 21; Evening Grosbeak, 3; Am. Goldfinch, 68; Slate-colored Junco, 25; Am. Tree Sparrow, 112; Song Sparrow, 5. **Total,** 32 species; about 1326 individuals.—Peter Hovingh, Jr.

270. **Ann Arbor, Mich.** (Huron River valley and adjoining areas from 8 miles west of town to 4 miles east of town and 10 miles north; bottomland and river 25%, deciduous woodlots 20%, coniferous plantations 5%, fields and roadside 45%, tamarack swamp 5%).—Jan. 2; 6:15 a.m. to 4:15 p.m. Cloudy with snow; temp. 27° to 34°; wind W to SW, 0-10 m.p.h.; lakes frozen, river partly frozen, 2-in. snow. Twenty-two observers in 5 parties. Total party-hours, 36 (18 on foot, 18 by car); total party-miles, 186 (24 on foot, 162 by car). Pied-billed Grebe, 2; Mallard, 2; Black Duck, 18; **Canvas-back,** 1; scaup (sp.), 1; Am. Golden-eye, 36; Cooper's Hawk, 2; Red-tailed Hawk, 11; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Sparrow Hawk, 4; Ruffed Grouse, 1; Bob-white, 10; Ring-necked Pheasant, 36; **Killdeer,** 1; Mourning Dove, **198**; Screech Owl, 2; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Red-headed Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 12; Horned Lark, 47; Blue Jay, 79; Am. Crow, 4; Black-capped Chickadee, 71; Tufted Titmouse, 60; White-breasted Nuthatch, 23; Red-breasted Nuthatch, 1; Brown Creeper, 9; **Catbird,**

1; Am. Robin, 22; Golden-crowned Kinglet, 7; Cedar Waxwing, 55; Common Starling, 36; Myrtle Warbler, 1; House Sparrow, 610; Purple Grackle, 1; Cardinal, 84; Evening Grosbeak, 1; Purple Finch, 1; Am. Goldfinch, 10; Slate-colored Junco, 93; Am. Tree Sparrow, 306; White-throated Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 9. **Total,** 49 species; about 1881 individuals.—Ernest Allmendinger, Margaret Branch, Ralph Branch, Dorothy Blanchard, Helen Blanchet, Frank Braun, Velma Coyne, Marie Donegan, Wilfred Goodman, Mary Greschke, Harold Hartley, Adelyn Hollis, William Hopkins, Edith MacLennan, Ann Mathisen, John Mathisen, Maxine Miles, Vaden Miles, Louise Ritsema, Haven Spencer, John E. Willoughby (compiler), Katherine Skelton.

271. **Bangor, Mich.** (from village limits southwest to School Section Lake, northwest to Palisades Park, north along Lake Michigan to South Haven, northeast 3 miles into Allegan County, southeast to Breedsville, south to Bangor; open farmland 50%, upland woods 20%, lowland woods 10%, lake shore 10%, fencerows 5%, village 5%).—Dec. 29; 7:15 a.m. to 5:30 p.m. Overcast; temp. 32° to 36°; wind variable, 0-15 m.p.h. Two observers in 1 party. Total party-hours, 10 (5 on foot, 5 by car); total party-miles, 72 (9 on foot, 63 by car). **Red-necked Grebe,** 1 (carefully studied); Mallard, 1; scaup (sp.), 2; Am. Golden-eye, 74; Buffle-head, 1; Red-tailed Hawk, 2; Bob-white, 14; Ring-necked Pheasant, 1; Herring Gull, 1000; Ring-billed Gull, 500; Red-bellied Woodpecker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 4; Blue Jay, 3; Am. Crow, 13; Black-capped Chickadee, 6; Tufted Titmouse, 2; White-breasted Nuthatch, 2; **Gray Shrike,** 2; Common Starling, 20; House Sparrow, 80; Eastern Meadowlark, 1; Cardinal, 10; Am. Goldfinch, 3; Slate-colored Junco, 8; Am. Tree Sparrow, 27; Song Sparrow, 1. **Total,** 27 species; about 1781 individuals. (Ruffed Grouse, Horned Lark seen count period).—Max Adler (compiler), Richard Fleming.

272. **Battle Creek, Mich.** (15-mile diameter from Battle Creek to Gull Lake, Wintergreen Lake and Kellogg Forestry area; parts of Calhoun and Kalamazoo Counties; lake shore 20%, deciduous woodlots 20%, coniferous woodlots 10%, wooded river borders 10%, farm fields 5%, town suburbs 10%, roadsides 25%).—Dec. 26; 7:30 a.m. to 5 p.m. Clear; temp. 18° to 35°; wind none or very light; no snow, lakes frozen except small holes in Gull Lake. Seven observers in 3 parties. Total party-hours, 18 (6 on foot, 12 by car); total party-miles, 134 (7 on foot, 127 by car). Canada Goose, 950; **Blue Goose,** 1 (present since fall); Mallard, 85; Black Duck, 290; Gadwall, 35; **Wood Duck,** 2 (pair present all fall); Canvas-back, 1; Am. Golden-eye, 12; Cooper's Hawk, 1; Red-tailed Hawk, 3; Ruffed Grouse, 1; Bob-white, 25; Ring-necked Pheasant, 3; Herring Gull, 24; Screech Owl, 1; Horned Owl, 3; Belted Kingfisher, 1; Red-bellied Woodpecker, 2; Red-headed Woodpecker, 2; Downy Woodpecker, 9; Blue Jay, 101; Am. Crow, 12; Black-capped Chickadee, 24; Tufted Titmouse, 11; White-breasted Nuthatch, 6; Brown Creeper, 1; Golden-crowned Kinglet, 2; Common Starling, 68; House Sparrow, 78; Cardinal, 35; **Evening Grosbeak,** 18; Purple Finch, 11; Am. Goldfinch, 16; Slate-colored Junco, 35; Am. Tree Sparrow, 19; Song Sparrow, 1. **Total,** 36 species; about 1889 individuals.—Max Adler, Edward M. Brigham, Edward M. Brigham, Jr., William A. Dyer, R. D. VanDeusen, Lawrence H. Walkinshaw (compiler), Clifford N. Walters.

273. **Bay City, Mich.** (area same as in 1954).—Dec. 31; 8 a.m. to 4:30 p.m. Clear to cloudy; temp. 12° to 28°; wind SW, 0-5 m.p.h.; no snow, Saginaw Bay open near mouth of Saginaw River. Seventeen observers in 3 parties. Total party-hours, 24 (12 on foot, 9 by car, 3 in canoe); total party-miles, 200 (10 on foot, 187 by car, 3 in canoe). Pied-billed Grebe, 3; **Canada Goose,** 1; Mallard, 6; Black Duck, 1100; **Canvas-back,** 2; Lesser Scaup, 3; Am. Golden-eye, 62; **Ruddy Duck,** 1; Am. Merganser, 1289; Red-breasted Merganser, 57; Cooper's Hawk, 2; Red-tailed Hawk, **19**; Red-shouldered Hawk, 1; Rough-legged Hawk, **18**; Bald Eagle, 1; Marsh Hawk, 2; Sparrow Hawk, 6; Bob-white, 11; Ring-necked Pheasant, 454; Herring Gull, 27; Ring-billed Gull, 6; Mourning Dove, **71**; Hairy Woodpecker, 6; Downy Woodpecker, 10; Horned Lark, 2; Blue Jay, 53; Am. Crow, 757; Black-capped Chickadee, 37; Tufted Titmouse, 18; White-breasted Nuthatch, 13; Brown Creeper, 2; Am. Robin, 1; Gray Shrike, 4; Common Starling, 540; House Sparrow, 1852; Brown-headed Cowbird, 1; Cardinal, 48; Evening Grosbeak, 18; Am. Goldfinch, 6; Slate-colored Junco, 23; Am. Tree Sparrow, 106; Swamp Sparrow, 1; Song Sparrow, 4; Lapland Longspur, **100**; Snow Bunting, 75. **Total,** 45 species; about 6819 individuals. (Great Blue Heron seen in area official count period.)—M. Cuthbert, N. Cuthbert, H. Griefe, R. Griefe, I. F. Jorae, E. E. Kenaga (compiler), P. La Voy, F. Maxwell, F. Seiter, W. Southern, E. Staudacher, B. Winchell, G. Winchell, A. W. Winston, Jr., D. Winston, L. Wolf, M. Wolf.

274. **Boyne City, Mich.** (area same as 1949 to 1954).—Dec. 24; 8:30 a.m. to 4:30 p.m. Cloudy; temp. 30° to 40°; no wind; ground with 1-ft. snow, all but north half of Lake Charlevoix frozen. Three observers in 1 party. Total party-hours, 8 (3 on foot, 5 by car); total party-miles, 115 (4 on foot, 111 by car). Horned Grebe, 1; Mallard, 148; Black Duck, 45; **Pintail,** 1; Lesser Scaup, 57; Am. Golden-eye, 140; Buffle-head, 24; Am. Merganser, 25; Sharp-shinned Hawk, 1; Bald Eagle, 1; Ruffed Grouse, 1; **Ring-necked Pheasant,** 4; Herring Gull, 234; Ring-billed Gull, 2; Hairy Woodpecker, 2; Downy Woodpecker, 6; Blue Jay, 14; Am. Crow, 6; Black-capped Chickadee, 50; White-breasted Nuthatch, 5; Brown Creeper, 2; Gray Shrike, 1; Common Starling, 46; House Sparrow, 155; Cardinal, 2; Evening Grosbeak, 18; Pine Grosbeak, 10; Am. Goldfinch, 10. **Total,** 28 species; about 1011 individuals.—E. E. Kenaga (compiler), Joan B. Kenaga, William Southern.

275. Detroit, **Mich.** (7½-mile radius centering at Sylvan Lake, perimeter touching Twelve-Mile Road on south, Maybee Road on north, Adams Road on east, Commerce Road on west; pasture 15%, town suburbs 20%, lake areas 8%, deciduous woodlots 35%, plow land 14% [8% = ?—Ed.]).—Jan. 2; 7:30 a.m. to 3:30 p.m. Cloudy, snow flurries, drizzle; temp. 29° to 33°; wind S, 6 m.p.h.; ground open, 1½-in. snow fell during day, lakes frozen, streams open. Sixty-two observers in 18 parties. Total party-hours, 144; total party-miles, 589 (98 on foot, 491 by car). Canada Goose, 4; Mallard, 171; Black Duck, 40; Canvas-back, 3; scaup (sp.), 5; Am. Golden-eye, 23; **Sharp-shinned Hawk,** 1; Cooper's Hawk, 6; Red-tailed Hawk, 9; Red-shouldered Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 10; Ruffed Grouse, 2; Bob-white, 129; Ring-necked Pheasant, 68; Am. Coot, 1; Mourning Dove, 73; Screech Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 1; Red-headed Woodpecker, 1; Hairy Woodpecker, 9; Downy Woodpecker, 64; Horned Lark, 14; Blue Jay, 336; Am. Crow, 194; Black-capped Chickadee, 302; Tufted Titmouse, 45; White-breasted Nuthatch, 55; Brown Creeper, 24; Am. Robin, 8; Hermit Thrush, 1; Cedar Waxwing, 8; Gray Shrike, 1; Common Starling, 1245; Myrtle Warbler, 1; House Sparrow, 3584; Eastern Meadowlark, 16; Cardinal, 242; Evening Grosbeak, 96; Purple Finch, 23; Am. Goldfinch, 209; Slate-colored Junco, 351; Am. Tree Sparrow, 1626; **Field Sparrow,** 1; Swamp Sparrow, 2; Song Sparrow, 11. **Total,** 47 species; about 9024 individuals.—Max Adler, Lucille Born, David B. Crockett, E. M. Cutler, Mr. and Mrs. B. L. Diamond, Mr. and Mrs. George Dunn, Carol Dunn, Roger Erickson, David French, Evelyn Fluker, Edith Goyette, Bob Graham, Mathilde Henkel, Geza Hufnagel, M. Lee Hundley, Mr. and Mrs. Neil Kelley, Conrad Keydel, Victor Knowles, Keith Kreag, John and Glenn Kreag, Marlene Kuzmich, Douglas Larkins, L. Lenz, Mrs. Vera Lenz (compiler), Louise Lockeman, Karen McCotter, Mr. and Mrs. John McMillan, Mr. and Mrs. R. D. Merriam, Betsy Merriam, Paulyne Miller, Mary Moilaren, L. J. Moore, William Mussnig, Walter Nickell, Mr. and Mrs. B. E. Norris, Virginia Olmstead, Ralph O'Reilly, Linda Pershing, Homer Roberts, Bob Rogers, Elizabeth Runck, A. St. Clair, Gisela Schroeder, Doris Sibley, James Smith, James Smith III, Louise Spence, Doris Stallman, J. C. Stuart, Virginia Thompson, Norman Tibbits, Mr. and Mrs. E. Trobaugh, Mrs. Ann Vanderheide, Mrs. J. Woolfenden (Detroit Audubon Society).

276. **Imlay City, Mich.** (same area as preceding 6 years; farms and open pasture 50%, fencerows and brush-covered fields 33%, deciduous woodlots 10%, marshes, ponds, and streams 5%, White Cedar swamps 1%, village and suburbs 1%).—Dec. 31; 5:45 a.m. to 6 p.m. Mostly clear, some snow flurries; temp. 18° to 28°; wind W, 15-18 m.p.h.; ground bare, most ponds and streams frozen. Eighteen observers in 5 parties. Total party-hours, 43 (18 on foot, 25 by car); total party-miles, 203 (19 on foot, 184 by car). Black Duck, 3; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 18; Red-shouldered Hawk, 1; Rough-legged Hawk, 2; Marsh Hawk, 6; Sparrow Hawk, 3; hawk (sp.), 3; Ruffed Grouse, 5; Ring-necked Pheasant, 98; Mourning Dove, 3; Barred Owl, 1; Long-eared Owl, 1; Belted Kingfisher, 1; Hairy Woodpecker, 5; Downy Woodpecker, 20; Blue Jay, 50; Am. Crow, 129; Black-capped Chickadee, 71; Tufted Titmouse, 7; White-breasted Nuthatch, 16; Red-breasted Nuthatch, 2; Gray Shrike, 1; Common Starling, 268; House Sparrow, 1106; Cardinal, 58; Evening Grosbeak, 18; Common Redpoll, 1; Am. Goldfinch, 480; Slate-colored Junco, 64; Am. Tree Sparrow, 145; Song Sparrow, 5. **Total,** 32 species; about 2595 individuals.—Marvel Bethune, Jane Bishop, David Bishop, Martha A. Lengemann (compiler), Velma Linekar, Alice Miller, Bill Mussnig, L. J. Moore, Mrs. L. J. Moore, Emma Porter, Robert Rogers, Althea Rogers, James Smith, Jr., Paul Slud, Dale Zimmerman, Marion Zimmerman, L. M. Zimmerman, L. P. Zimmerman.

277. **Kalamazoo, Mich.** (area same as last 7 years; roadside 30%, open farmland 30%, deciduous woods 20%, shrubby marsh 15%, running water 5%).—Dec. 31; 8:20 a.m. to 5:10 p.m. Cloudy to fair; temp. 28° to 36°; wind WSW, 7-18 m.p.h.; patches of old snow on frozen ground, running water and portions of larger lakes unfrozen. Fifteen observers in 7 parties. Total party-hours, 28 (19 on foot, 9 by car); total party-miles, 192 (34 on foot, 158 by car). Great Blue Heron, 5; Mallard, 45; Am. Golden-eye, 15; Cooper's Hawk, 2; Red-tailed Hawk, 6; Sparrow Hawk, 6; Bob-white, 43; Ring-necked Pheasant, 16; Killdeer, 2; Wilson's Snipe, 1; Herring Gull, 2; Mourning Dove, 23; Screech Owl, 2; Short-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 3; Hairy Woodpecker, 7; Downy Woodpecker, 21; Blue Jay, 91; Am. Crow, 189; Black-capped Chickadee, 71; Tufted Titmouse, 30; White-breasted Nuthatch, 16; Red-breasted Nuthatch, 1; Brown Creeper, 1; Am. Robin, 1; Golden-crowned Kinglet, 3; Common Starling, 207; House Sparrow, 640; Cardinal, 58; Evening Grosbeak, 32; Purple Finch, 8; Am. Goldfinch, 67; Eastern Towhee, 1; Slate-colored Junco, 63; Am. Tree Sparrow, 117; Swamp Sparrow, 2; Song Sparrow, 3. **Total,** 40 species; about 1808 individuals. (Seen in census area count period: Yellow-bellied Sapsucker, Red Crossbill.)—Max Adler, Helen Burrell, C. B. Cook, Letha Culver, C. O. Dann, Ray Deur, W. A. Freyburger, Jack Gray, Mrs. H. H. Hall (compiler), Fred McLinden, Bernadine Mott, W. W. Nicholson, Mike Smith, Marie Thompson, H. O. Wiles.

278. **Marquette, Mich.** (same area as preceding year, 7-mile radius centering on Front and Washington Sts., including Presque Isle, Lake Shore Blvd., Hiawatha Shores, fish hatchery, Weiland's farm; Lake Superior and harbors 30%, urban 10%, marsh 10%, mixed forest 25%, open farmlands 25%).—Jan 1; 7 a.m. to 5 p.m. Cloudy to partly cloudy; temp. 23° to 30°; wind E to SE, 5-10 m.p.h.; 3-10-in. snow on ground, harbors partly frozen. Ten observers

1; Am. Robin, 22; Golden-crowned Kinglet, 7; Cedar Waxwing, 55; Common Starling, 36; Myrtle Warbler, 1; House Sparrow, 610; Purple Grackle, 1; Cardinal, 84; Evening Grosbeak, 1; Purple Finch, 1; Am. Goldfinch, 10; Slate-colored Junco, 93; Am. Tree Sparrow, 306; White-throated Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 9. **Total,** 49 species; about 1881 individuals.—Ernest Allmendinger, Margaret Branch, Ralph Branch, Dorothy Blanchard, Helen Blanchet, Frank Braun, Velma Coyne, Marie Donegan, Wilfred Goodman, Mary Greschke, Harold Hartley, Adelyn Hollis, William Hopkins, Edith MacLennan, Ann Mathisen, John Mathisen, Maxine Miles, Vaden Miles, Louise Ritsema, Haven Spencer, John E. Willoughby (compiler), Katherine Skelton.

271. **Bangor, Mich.** (from village limits southwest to School Section Lake, northwest to Palisades Park, north along Lake Michigan to South Haven, northeast 3 miles into Allegan County, southeast to Breedsville, south to Bangor; open farmland 50%, upland woods 20%, lowland woods 10%, lake shore 10%, fencerows 5%, village 5%).—Dec. 29; 7:15 a.m. to 5:30 p.m. Overcast; temp. 32° to 36°; wind variable, 0-15 m.p.h. Two observers in 1 party. Total party-hours, 10 (5 on foot, 5 by car); total party-miles, 72 (9 on foot, 63 by car). **Red-necked Grebe,** 1 (carefully studied); Mallard, 1; scaup (sp.), 2; Am. Golden-eye, 74; Buffle-head, 1; Red-tailed Hawk, 2; Bob-white, 14; Ring-necked Pheasant, 1; Herring Gull, 1000; Ring-billed Gull, 500; Red-bellied Woodpecker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 4; Blue Jay, 3; Am. Crow, 13; Black-capped Chickadee, 6; Tufted Titmouse, 2; White-breasted Nuthatch, 2; **Gray Shrike,** 2; Common Starling, 20; House Sparrow, 80; Eastern Meadowlark, 1; Cardinal, 10; Am. Goldfinch, 3; Slate-colored Junco, 8; Am. Tree Sparrow, 27; Song Sparrow, 1. **Total,** 27 species; about 1781 individuals. (Ruffed Grouse, Horned Lark seen count period).—Max Adler (compiler), Richard Fleming.

272. **Battle Creek, Mich.** (15-mile diameter from Battle Creek to Gull Lake, Wintergreen Lake and Kellogg Forestry area; parts of Calhoun and Kalamazoo Counties; lake shore 20%, deciduous woodlots 20%, coniferous woodlots 10%, wooded river borders 10%, farm fields 5%, town suburbs 10%, roadsides 25%).—Dec. 26; 7:30 a.m. to 5 p.m. Clear; temp. 18° to 35°; wind none or very light; no snow, lakes frozen except small holes in Gull Lake. Seven observers in 3 parties. Total party-hours, 18 (6 on foot, 12 by car); total party-miles, 134 (7 on foot, 127 by car). Canada Goose, 950; **Blue Goose,** 1 (present since fall); Mallard, 85; Black Duck, 290; Gadwall, 35; **Wood Duck,** 2 (pair present all fall); Canvas-back, 1; Am. Golden-eye, 12; Cooper's Hawk, 1; Red-tailed Hawk, 3; Ruffed Grouse, 1; Bob-white, 25; Ring-necked Pheasant, 3; Herring Gull, 24; Screech Owl, 1; Horned Owl, 3; Belted Kingfisher, 1; Red-bellied Woodpecker, 2; Red-headed Woodpecker, 2; Downy Woodpecker, 9; Blue Jay, 101; Am. Crow, 12; Black-capped Chickadee, 24; Tufted Titmouse, 11; White-breasted Nuthatch, 6; Brown Creeper, 1; Golden-crowned Kinglet, 2; Common Starling, 68; House Sparrow, 78; Cardinal, 35; **Evening Grosbeak, 18**; Purple Finch, 11; Am. Goldfinch, 16; Slate-colored Junco, 35; Am. Tree Sparrow, 19; Song Sparrow, 1. **Total,** 36 species; about 1889 individuals.—Max Adler, Edward M. Brigham, Edward M. Brigham, Jr., William A. Dyer, R. D. VanDeusen, Lawrence H. Walkinshaw (compiler), Clifford N. Walters.

273. **Bay City, Mich.** (area same as in 1954).—Dec. 31; 8 a.m. to 4:30 p.m. Clear to cloudy; temp. 12° to 28°; wind SW, 0-5 m.p.h.; no snow, Saginaw Bay open near mouth of Saginaw River. Seventeen observers in 3 parties. Total party-hours, 24 (12 on foot, 9 by car, 3 in canoe); total party-miles, 200 (10 on foot, 187 by car, 3 in canoe). Pied-billed Grebe, 3; **Canada Goose,** 1; Mallard, 6; Black Duck, 1100; **Canvas-back,** 2; Lesser Scaup, 3; Am. Golden-eye, 62; **Ruddy Duck,** 1; Am. Merganser, 1289; Red-breasted Merganser, 57; Cooper's Hawk, 2; Red-tailed Hawk, **19**; Red-shouldered Hawk, 1; Rough-legged Hawk, **18**; Bald Eagle, 1; Marsh Hawk, 2; Sparrow Hawk, 6; Bob-white, 11; Ring-necked Pheasant, 454; Herring Gull, 27; Ring-billed Gull, 6; Mourning Dove, **71**; Hairy Woodpecker, 6; Downy Woodpecker, 10; Horned Lark, 2; Blue Jay, 53; Am. Crow, 757; Black-capped Chickadee, 37; Tufted Titmouse, 18; White-breasted Nuthatch, 13; Brown Creeper, 2; Am. Robin, 1; Gray Shrike, 4; Common Starling, 540; House Sparrow, 1852; Brown-headed Cowbird, 1; Cardinal, 48; Evening Grosbeak, 18; Am. Goldfinch, 6; Slate-colored Junco, 23; Am. Tree Sparrow, 106; Swamp Sparrow, 1; Song Sparrow, 4; Lapland Longspur, **100**; Snow Bunting, 75. **Total,** 45 species; about 6819 individuals. (Great Blue Heron seen in area official count period.)—M. Cuthbert, N. Cuthbert, H. Griefe, R. Griefe, I. F. Jorae, E. E. Kenaga (compiler), P. La Voy, F. Maxwell, F. Seiter, W. Southern, E. Staudacher, B. Winchell, G. Winchell, A. W. Winston, Jr., D. Winston, L. Wolf, M. Wolf.

274. **Boyne City, Mich.** (area same as 1949 to 1954).—Dec. 24; 8:30 a.m. to 4:30 p.m. Cloudy; temp. 30° to 40°; no wind; ground with 1-ft. snow, all but north half of Lake Charlevoix frozen. Three observers in 1 party. Total party-hours, 8 (3 on foot, 5 by car); total party-miles, 115 (4 on foot, 111 by car). Horned Grebe, 1; Mallard, 148; Black Duck, 45; **Pintail,** 1; Lesser Scaup, 57; Am. Golden-eye, 140; Buffle-head, 24; Am. Merganser, 25; Sharp-shinned Hawk, 1; Bald Eagle, 1; Ruffed Grouse, 1; **Ring-necked Pheasant,** 4; Herring Gull, 234; Ring-billed Gull, 2; Hairy Woodpecker, 2; Downy Woodpecker, 6; Blue Jay, 14; Am. Crow, 6; Black-capped Chickadee, 50; White-breasted Nuthatch, 5; Brown Creeper, 2; Gray Shrike, 1; Common Starling, 46; House Sparrow, 155; Cardinal, 2; Evening Grosbeak, 18; Pine Grosbeak, 10; Am. Goldfinch, 10. **Total,** 28 species; about 1011 individuals.—E. E. Kenaga (compiler), Joan B. Kenaga, William Southern.

275. Detroit, **Mich.** (7½-mile radius centering at Sylvan Lake, perimeter touching Twelve-Mile Road on south, Maybee Road on north, Adams Road on east, Commerce Road on west; pasture 15%, town suburbs 20%, lake areas 8%, deciduous woodlots 35%, plow land 14% [8% = ?—Ed.]).—Jan. 2; 7:30 a.m. to 3:30 p.m. Cloudy, snow flurries, drizzle; temp. 29° to 33°; wind S, 6 m.p.h.; ground open, 1½-in. snow fell during day, lakes frozen, streams open. Sixty-two observers in 18 parties. Total party-hours, 144; total party-miles, 589 (98 on foot, 491 by car). Canada Goose, 4; Mallard, 171; Black Duck, 40; Canvas-back, 3; scaup (sp.), 5; Am. Golden-eye, 23; **Sharp-shinned Hawk,** 1; Cooper's Hawk, 6; Red-tailed Hawk, 9; Red-shouldered Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 10; Ruffed Grouse, 2; Bob-white, 129; Ring-necked Pheasant, 68; Am. Coot, 1; Mourning Dove, 73; Screech Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 1; Red-headed Woodpecker, 1; Hairy Woodpecker, 9; Downy Woodpecker, 64; Horned Lark, 14; Blue Jay, 336; Am. Crow, 194; Black-capped Chickadee, 302; Tufted Titmouse, 45; White-breasted Nuthatch, 55; Brown Creeper, 24; Am. Robin, 8; Hermit Thrush, 1; Cedar Waxwing, 8; Gray Shrike, 1; Common Starling, 1245; Myrtle Warbler, 1; House Sparrow, 3584; Eastern Meadowlark, 16; Cardinal, 242; Evening Grosbeak, 96; Purple Finch, 23; Am. Goldfinch, 209; Slate-colored Junco, 351; Am. Tree Sparrow, 1626; **Field Sparrow,** 1; Swamp Sparrow, 2; Song Sparrow, 11. **Total,** 47 species; about 9024 individuals.—Max Adler, Lucille Born, David B. Crockett, E. M. Cutler, Mr. and Mrs. B. L. Diamond, Mr. and Mrs. George Dunn, Carol Dunn, Roger Erickson, David French, Evelyn Fluker, Edith Goyette, Bob Graham, Mathilde Henkel, Geza Hufnagel, M. Lee Hundley, Mr. and Mrs. Neil Kelley, Conrad Keydel, Victor Knowles, Keith Kreag, John and Glenn Kreag, Marlene Kuzmich, Douglas Larkins, L. Lenz, Mrs. Vera Lenz (compiler), Louise Lockeman, Karen McCotter, Mr. and Mrs. John McMillan, Mr. and Mrs. R. D. Merriam, Betsy Merriam, Paulyne Miller, Mary Moilaren, L. J. Moore, William Mussnig, Walter Nickell, Mr. and Mrs. B. E. Norris, Virginia Olmstead, Ralph O'Reilly, Linda Pershing, Homer Roberts, Bob Rogers, Elizabeth Runck, A. St. Clair, Gisela Schroeder, Doris Sibley, James Smith, James Smith III, Louise Spence, Doris Stallman, J. C. Stuart, Virginia Thompson, Norman Tibbits, Mr. and Mrs. E. Trobaugh, Mrs. Ann Vanderheide, Mrs. J. Woolfenden (Detroit Audubon Society).

276. **Imlay City, Mich.** (same area as preceding 6 years; farms and open pasture 50%, fencerows and brush-covered fields 33%, deciduous woodlots 10%, marshes, ponds, and streams 5%, White Cedar swamps 1%, village and suburbs 1%).—Dec. 31; 5:45 a.m. to 6 p.m. Mostly clear, some snow flurries; temp. 18° to 28°; wind W, 15-18 m.p.h.; ground bare, most ponds and streams frozen. Eighteen observers in 5 parties. Total party-hours, 43 (18 on foot, 25 by car); total party-miles, 203 (19 on foot, 184 by car). Black Duck, 3; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 18; Red-shouldered Hawk, 1; Rough-legged Hawk, 2; Marsh Hawk, 6; Sparrow Hawk, 3; hawk (sp.), 3; Ruffed Grouse, 5; Ring-necked Pheasant, 98; Mourning Dove, 3; Barred Owl, 1; Long-eared Owl, 1; Belted Kingfisher, 1; Hairy Woodpecker, 5; Downy Woodpecker, 20; Blue Jay, 50; Am. Crow, 129; Black-capped Chickadee, 71; Tufted Titmouse, 7; White-breasted Nuthatch, 16; Red-breasted Nuthatch, 2; Gray Shrike, 1; Common Starling, 268; House Sparrow, 1106; Cardinal, 58; Evening Grosbeak, 18; Common Redpoll, 1; Am. Goldfinch, 480; Slate-colored Junco, 64; Am. Tree Sparrow, 145; Song Sparrow, 5. **Total,** 32 species; about 2595 individuals.—Marvel Bethune, Jane Bishop, David Bishop, Martha A. Lengemann (compiler), Velma Linekar, Alice Miller, Bill Mussnig, L. J. Moore, Mrs. L. J. Moore, Emma Porter, Robert Rogers, Althea Rogers, James Smith, Jr., Paul Slud, Dale Zimmerman, Marion Zimmerman, L. M. Zimmerman, L. P. Zimmerman.

277. **Kalamazoo, Mich.** (area same as last 7 years; roadside 30%, open farmland 30%, deciduous woods 20%, shrubby marsh 15%, running water 5%).—Dec. 31; 8:20 a.m. to 5:10 p.m. Cloudy to fair; temp. 28° to 36°; wind WSW, 7-18 m.p.h.; patches of old snow on frozen ground, running water and portions of larger lakes unfrozen. Fifteen observers in 7 parties. Total party-hours, 28 (19 on foot, 9 by car); total party-miles, 192 (34 on foot, 158 by car). Great Blue Heron, 5; Mallard, 45; Am. Golden-eye, 15; Cooper's Hawk, 2; Red-tailed Hawk, 6; Sparrow Hawk, 6; Bob-white, 43; Ring-necked Pheasant, 16; Killdeer, 2; Wilson's Snipe, 1; Herring Gull, 2; Mourning Dove, 23; Screech Owl, 2; Short-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 3; Hairy Woodpecker, 7; Downy Woodpecker, 21; Blue Jay, 91; Am. Crow, 189; Black-capped Chickadee, 71; Tufted Titmouse, 30; White-breasted Nuthatch, 16; Red-breasted Nuthatch, 1; Brown Creeper, 1; Am. Robin, 1; Golden-crowned Kinglet, 3; Common Starling, 207; House Sparrow, 640; Cardinal, 58; Evening Grosbeak, 32; Purple Finch, 8; Am. Goldfinch, 67; Eastern Towhee, 1; Slate-colored Junco, 63; Am. Tree Sparrow, 117; Swamp Sparrow, 2; Song Sparrow, 3. **Total,** 40 species; about 1808 individuals. (Seen in census area count period: Yellow-bellied Sapsucker, Red Crossbill.)—Max Adler, Helen Burrell, C. B. Cook, Letha Culver, C. O. Dann, Ray Deur, W. A. Freyburger, Jack Gray, Mrs. H. H. Hall (compiler), Fred McLinden, Bernadine Mott, W. W. Nicholson, Mike Smith, Marie Thompson, H. O. Wiles.

278. **Marquette, Mich.** (same area as preceding year, 7-mile radius centering on Front and Washington Sts., including Presque Isle, Lake Shore Blvd., Hiawatha Shores, fish hatchery, Weiland's farm; Lake Superior and harbors 30%, urban 10%, marsh 10%, mixed forest 25%, open farmlands 25%).—Jan 1; 7 a.m. to 5 p.m. Cloudy to partly cloudy; temp. 23° to 30°; wind E to SE, 5-10 m.p.h.; 3-10-in. snow on ground, harbors partly frozen. Ten observers

in 6 parties. Total party-hours, 40 (2 on snowshoes, 38 by car); total party-miles, 222 (2 on snowshoes, 220 by car). Black Duck, 2; Am. Golden-eye, 67; Am. Merganser, 11; Bald Eagle, 1; Ruffed Grouse, 3; Herring Gull, 268; Hairy Woodpecker, 6; Downy Woodpecker, 6; Blue Jay, 21; Common Raven, 4; Am. Crow, 1; Black-capped Chickadee, 22; **Brown-capped Chickadee,** 1; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 3; Gray Shrike, 3; Common Starling, 128; House Sparrow, 8; **Purple Grackle,** 1; **Cardinal,** 1; Evening Grosbeak, 47; Pine Grosbeak, 4; Common Redpoll, 30. **Total,** 23 species; about 639 individuals. (Slate-colored Junco seen count week.)—Mrs. A. J. Fontaine, Richard Gysendorfer, John M. Hogan, Lucian F. Hunt, Robert Jenner, Mrs. Robert Le Maire, Mrs. Mary Spear Ross (compiler), Rollin K. Thoren, Rollin K. Thoren, Jr., Edwin C. Weiland.

279. Midland, Mich. (area same as in 1954).—Jan. 1; 8 a.m. to 4 p.m. Cloudy, snow flurries; temp. 26° to 28°; no wind; Tittabawassee River open. Five observers in 2 parties. Total party-hours, 12 (5 on foot, 7 by car); total party-miles, 100 (3 on foot, 97 by car). Mallard, 5; Black Duck, 72; Am. Golden-eye, 2; Am. Merganser, 6; Cooper's Hawk, 1; Red-tailed Hawk, 4; Rough-legged Hawk, 3; Ring-necked Pheasant, 97; Mourning Dove, **32**; owl (Horned?), 1; Hairy Woodpecker, 3; Downy Woodpecker, 16; Blue Jay, 38; Am. Crow, 21; Black-capped Chickadee, 83; Tufted Titmouse, 7; White-breasted Nuthatch, **31**; Red-breasted Nuthatch, 2; Brown Creeper, 1; **Carolina Wren,** 1; Gray Shrike, **5**; Common Starling, 326; House Sparrow, 462; Cardinal, **71**; Evening Grosbeak, 103; **Pine Grosbeak,** 11; **Common Redpoll, 20; Pine Siskin, 6;** Am. Goldfinch, 3; Slate-colored Junco, 73; **Oregon Junco,** 1 (carefully identified); Am. Tree Sparrow, 134; Song Sparrow, 2; Snow Bunting, 2. **Total,** 34 species; about 1645 individuals. (Seen in area count period: Am. Robin, Brown Thrasher.)—E. E. Kenaga (compiler), Bruce Winchell, Grant Winchell, Larry Wolf, Mark Wolf.

280. Mount Clemens, Mich. (same area since 1951; open water 17%, residential 8%, farm buildings 1%, fields and grassy places 23%, cattail marsh 9%, brushy roadsides 27%, deciduous second growth 15%).—Dec. 31; 8 a.m. to 4 p.m. Mostly clear; temp. 21° to 31°; wind W to NW, average 10 m.p.h.; no snow, streams frozen, Anchor Bay frozen ¼ to 1 mile from shore. Twenty-two observers in 6 parties. Total party-hours, 176 (40 on foot, 136 by car); total party-miles, 366 (66 on foot, 300 by car). Whistling Swan, 3; Black Duck, 56; Redhead, 390; Canvas-back, 652; scaup (sp.), 308; Am. Golden-eye, 279; Buffle-head, 2; Ruddy Duck, 1; Am. Merganser, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 14; Red-shouldered Hawk, 3; Rough-legged Hawk, 2; Marsh Hawk, 4; Sparrow Hawk, 18; Bob-white, 14; Ring-necked Pheasant, 45; Herring Gull, 172; Ring-billed Gull, 59; Mourning Dove, 277; Horned Owl, 1; Yellow-shafted Flicker, 2; Red-headed Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 27; Horned Lark, 11; Blue Jay, 88; Am. Crow, 242; Black-capped Chickadee, 13; Tufted Titmouse, 19; White-breasted Nuthatch, 20; Brown Creeper, 7; Ruby-crowned Kinglet, 2; Gray Shrike, 2; Common Starling, 190; House Sparrow, 1094; Rusty Blackbird, 3; Cardinal, 26; Evening Grosbeak, 9; Purple Finch, 1; Common Redpoll, 218; Am. Goldfinch, 225; Slate-colored Junco, 168; Am. Tree Sparrow, 309; Swamp Sparrow, 1; Song Sparrow, 13; Snow Bunting, 8. **Total,** 48 species; about 5007 individuals. (Snowy Owl seen official count period.)—Janet Berarducci, Sally Cavanary, Bertha Daubendiek, Danny DeBusschere, Lee Diamond, Myrtle Diamond, Frank P. Hogan, Jr., Maureen Ireland, Irene Jasper, Bette Johnston, Janice Kary, Cass Kierblewski, Douglas S. Middleton (compiler), John Morgan, Bernard Nerzwicki, Sharon Nerzwicki, Sylvia Nerzwicki, Henry Parkinson, Betty Rivard, Elton Stilwell, Henry Trombley, John Van Niewal (Macomb Nature Association).

281. Mount Pleasant, Mich. (same area as in 1953; town suburbs 5%, upland deciduous woodlots 5%, upland coniferous plantations 3%, rivers and bottomland deciduous woods 30%, bottomland coniferous woods 6%, farm fields and pastures 40%, lakes and millponds 10%, cattail marsh 1%).—Dec. 29; 8 a.m. to 4:30 p.m. Overcast most of day; temp. 28° to 32°; wind NW, 0-10 m.p.h.; snow only in deep woods, lakes frozen, rivers open. Eight observers in 2 parties. Total party-hours, 17 (9 on foot, 8 by car); total party-miles, 105 (15 on foot, 90 by car). Mallard, 212; Black Duck, 14; Am. Golden-eye, 30; **Old-squaw,** 1 (4 observers); Marsh Hawk, 2; Sparrow Hawk, 2; Ruffed Grouse, 12; Bob-white, 1; Ring-necked Pheasant, 17; Mourning Dove, 2; Belted Kingfisher, 1; Hairy Woodpecker, 4; Downy Woodpecker, 11; Blue Jay, 16; Am. Crow, 14; Black-capped Chickadee, 51; Tufted Titmouse, 3; White-breasted Nuthatch, 16; Brown Creeper, 4; Winter Wren, 1; Golden-crowned Kinglet, 1; Gray Shrike, **5**; Common Starling, 151; House Sparrow, 549; Cardinal, 9; Evening Grosbeak, 50; Am. Goldfinch, 3; **Eastern Towhee,** 1 (daily at feeder); Slate-colored Junco, 30; Am. Tree Sparrow, 35; Song Sparrow, 4. **Total,** 31 species; about 1252 individuals.—Mabel Cuthbert, Nicholas Cuthbert (compiler), Donald J. Davis, Irene Jorae, Florence Maxwell, Margaret Millar, Beverly Southern, William Southern (Chippewa Valley Bird Club).

282. Muskegon, Mich. (7-mile radius centering on County Court House, including Muskegon Dunes State Park, Muskegon River marshes, shore of Muskegon Lake to Pere Marquette Park, Lake Michigan; lake shore and wooded duneland 50%, urban 25%, suburban and rural 15%, marshland 5%, industrial 5%).—Jan. 2; 9 a.m. to 6 p.m. Snowing; temp. 30° to 32°; wind E, 9-12 m.p.h.; 2-in. snow, lakes and streams frozen, little open water on Muskegon Lake. Six observers in 2 parties. Total party-hours, 18 (15 on foot, 3 by car); total party-miles, 80 (15 on foot, 65 by car). Black Duck, 305; Gadwall, 1; Am. Widgeon, 8; Canvas-back, 35; scaup (sp.), 100; Am. Golden-eye, 444; Buffle-head, 78;

Am. Merganser, 13; Ruffed Grouse, 4; Ring-necked Pheasant, 30; Herring Gull, 352; Screech Owl, 1; Snowy Owl, 1; Short-eared Owl, 2; Red-headed Woodpecker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 3; Blue Jay, 43; Am. Crow, 54; Black-capped Chickadee, 15; Tufted Titmouse, 6; White-breasted Nuthatch, 4; Golden-crowned Kinglet, 2; Cedar Waxwing, 9; Common Starling, 26; House Sparrow, 154; Cardinal, 13; Am. Goldfinch, 6; Slate-colored Junco, 8; Am. Tree Sparrow, 3. **Total,** 30 species; about 1725 individuals. (Old-squaw, Cooper's Hawk, Saw-whet Owl, Red-breasted Nuthatch, Red Crossbill, Bald Eagle, Pine Siskin, Snow Bunting seen count period.)—Almeda Boulton, Margaret D. Elliott (compiler), Cecil Kersting, Gilbert Twiest, George Wickstrom, Mary Elizabeth Whelan (Muskegon County Bird Club and Junior Conservation Club).

283. Northville, Mich. (same area as 1954).—Jan. 2; 8 a.m. to 5 p.m. Clear; temp. 25° to 35°; wind 3 m.p.h.; 1-2-in. snow in patches, lakes frozen, numerous streams clear or partly clear. Eleven observers in 2 parties. Total party-hours, 16 (12 on foot, 4 by car); total party-miles, 60 (8 on foot, 52 by car). Great Blue Heron, 1; Canada Goose. 600+; Mallard, 300+; Black Duck, 875+; Am. Golden-eye, 85; buteo (sp.), 2; Sparrow Hawk, 6; Bob-white, 14; Ring-necked Pheasant, 12; Mourning Dove, 1; Belted Kingfisher, 1; Red-headed Woodpecker, 4; Downy Woodpecker, 11; Blue Jay, 25; Am. Crow, 500+; Black-capped Chickadee, 35; Tufted Titmouse, 8; White-breasted Nuthatch, 8; Brown Creeper, 2; **Am. Robin, 4**; Golden-crowned Kinglet, 1; Common Starling, 138; House Sparrow, 260; Cardinal, 24; Am. Goldfinch, 7; Slate-colored Junco, 47; Am. Tree Sparrow, 90; Song Sparrow, 7. **Total,** 28 species; about 3068 individuals. (Seen in area census period: **Myrtle Warbler,** Eastern Meadowlark, Pintail.)—Mary Begle, John Begle, Betsy Eichstedt, Cy Frid, Dorothy Frid, Catherine Hartley, Harold S. Hartley (compiler), Harold D. Hartley, William Hopkins, Frank Muller, Richard Root.

284. Owosso, Mich. (same area as in 1951).—Dec. 28; 7:30 a.m. to 4:30 p.m. Clear a.m., cloudy p.m.; temp. 20° to 30°; wind E, 5-10 m.p.h.; ground bare, river largely frozen. One observer. Total hours, 9 (7½ on foot, 1½ by car); total miles, 48 (8 on foot, 40 by car). Sharp-shinned Hawk, 1; Red-tailed Hawk, 3; Ring-necked Pheasant, 3; Mourning Dove, 1; Long-eared Owl, 1; Hairy Woodpecker, 3; Downy Woodpecker, 9; Blue Jay, 8; Am. Crow, 49; Black-capped Chickadee, 20; Tufted Titmouse, 10; White-breasted Nuthatch, 13; Brown Creeper, 3; Golden-crowned Kinglet, 2; Common Starling, 345; House Sparrow, 54; Cardinal, 8; Am. Goldfinch, 14; Slate-colored Junco, 18; Am. Tree Sparrow, 40; Song Sparrow, 1. **Total,** 21 species; about 606 individuals. (Seen in area count period: Am. Golden-eye, Sparrow Hawk.)—Bruce V. Wilson.

285. Bloomington, Ind. (same area as 1953; upland deciduous forest 18%, coniferous forest 8%, bottomland deciduous forest 10%, bottomland grassy and crop field 15%, upland grassy and crop field 10%, bottomland brushy field 17%, lake shore 17%, urban wooded campus 5%).—Dec. 28; 5:30 a.m. to 6 p.m. Sunny; temp. 27° to 44°; wind SSE, 10-14 m.p.h.; ponds and 95% of Beanblossom Lake frozen, running water open. Five observers in 1 party, separating into groups of 1 to 3 for short periods. Total party-hours, 17 (10 on foot, 7 by car); total party-miles, 132 (13 on foot, 119 by car). Horned Grebe, 1; Mallard, 20,000; Black Duck, 2000; Gadwall, 10; Am. Widgeon, 15; Pintail, 70; Green-winged Teal, 1; Shoveller, 1; Red-breasted Merganser, 1; Red-tailed Hawk, 10; Marsh Hawk, 1; Sparrow Hawk, 3; Killdeer, 12; Wilson's Snipe, 2; Herring Gull, 4; Ring-billed Gull, 2; Mourning Dove, 47; Screech Owl, 1; Horned Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 26; Pileated Woodpecker, 1; Red-bellied Woodpecker, 13; Red-headed Woodpecker, 2; Hairy Woodpecker, 11; Downy Woodpecker, 22; Blue Jay, 103; Am. Crow, 41; Carolina Chickadee, 29; Tufted Titmouse, 36; White-breasted Nuthatch, 4; Brown Creeper, 2; Carolina Wren, 5; Mockingbird, 3; Am. Robin, 39; Eastern Bluebird, 32; Golden-crowned Kinglet, 2; Common Starling, 361; House Sparrow, 229; Eastern Meadowlark, 61; Red-winged Blackbird, 2; Rusty Blackbird, 1; Purple Grackle, 2; Cardinal, 186; Purple Finch, 5; Am. Goldfinch, 37; Eastern Towhee, 17; Slate-colored Junco, 163; Am. Tree Sparrow, 91; Field Sparrow, 21; Swamp Sparrow, 4; Song Sparrow, 26. **Total,** 52 species; about 23,761 individuals. (Seen in area census period: Sharp-shinned Hawk, Bald Eagle, Ruffed Grouse, Yellow-bellied Sapsucker, Horned Lark.)—Reynold Carlson, Duane Carmony, Charles Cleland, Sears Crowell, Val Nolan, Jr. (compiler).

286. Indianapolis, Ind. (area same as 1954; urban 7%, suburbs 18%, city parks 8%, open farmland 20%, nursery 14%, lake area 14%, river area 13%, woods 6%).—Dec. 31; 7:30 a.m. to 4:30 p.m. Fair; temp. 22° to 28°; wind WNW, 5-15 m.p.h.; river 50% frozen, reservoir 75% frozen. Sixteen observers in 7 parties. Total party-hours, 45 (32 on foot, 13 by car); total party-miles, 149 (42 on foot, 107 by car). Pied-billed Grebe, 1; Great Blue Heron, 1; Black-crowned Night Heron, 2; Canada Goose, 40; Mallard, 4040; Black Duck, 1500; Am. Widgeon, 1; Pintail, 13; Wood Duck, 2; Canvas-back, 2; Am. Golden-eye, 21; Am. Merganser, 9; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 5; Red-shouldered Hawk, 4; Marsh Hawk, 3; Sparrow Hawk, 12; Bob-white, 20; Killdeer, 2; Ring-billed Gull, 2; Mourning Dove, 163; Screech Owl, 1; Barred Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 13; Yellow-shafted Flicker, 43; Red-bellied Woodpecker, 8; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 74; Horned Lark, 3; Blue Jay, 131; Am. Crow, 307; Black-capped Chickadee, 1; Carolina Chickadee, 156; Tufted Titmouse, 97; White-breasted Nuthatch, 34; Brown Creeper, 21; Winter Wren, 1; Carolina Wren, 22; Mockingbird, 7; Catbird, 1;

Brown Thrasher, 1; Am. Robin, 207; Eastern Bluebird, 45; Golden-crowned Kinglet, 4; Cedar Waxwing, 136; Common Starling, 760; Myrtle Warbler, 5; House Sparrow, 1245; Eastern Meadowlark, 6; Purple Grackle, 7; Brown-headed Cowbird, 70; Cardinal, 176; Purple Finch, 5; Pine Siskin, 1; Am. Goldfinch, 82; Eastern Towhee, 3; Slate-colored Junco, 426; Am. Tree Sparrow, 484; Field Sparrow, 5; Song Sparrow, 75. **Total,** 64 species; about 10,518 individuals. (Seen in area week of count: White-throated Sparrow, Pileated Woodpecker.)—Fred Antibus, Charles Berriman, Mildred Campbell, R. Gregory, Charles Keller, Margaret Loving, Ward Rice, Kathryn Rice, Mary Riddle (compiler), John Satter, Sheila Smith, Henry West, Betty Wilcox, Dorothy White, G. E. Winder, Howard Wright (Amos W. Butler Audubon Society).

287. Jasper-Pulaski State Game Preserve, Ind. (Medaryville area same as 1953).—Dec. 24; 7:15 a.m. to 4:45 p.m. Overcast, all day fog; temp. 31° to 40°; wind S to W, 5-15 m.p.h.; ground bare, springs, some ditches open, large marshes frozen except where ducks kept water open. Three observers in 1 party. Total party-hours, 9½ (6½ on foot, 3 by car); total party-miles, 31 (10 on foot, 21 by car). Canada Goose, 612; **Blue Goose,** 1 (adult carefully identified); Mallard, 702; Black Duck, 100; Pintail, 2; Lesser Scaup, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; **Golden Eagle,** 1 (immature carefully identified by 3 observers); Bald Eagle, 1; Ring-necked Pheasant, 2; Herring Gull, 1; Mourning Dove, 6; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 8; Horned Lark, 4; Blue Jay, 86; Am. Crow, 61; Black-capped Chickadee, 11; Tufted Titmouse, 2; White-breasted Nuthatch, 1; Brown Creeper, 2; Am. Robin, 9; Cedar Waxwing, 11; House Sparrow, 55; Cardinal, 16; Purple Finch, 10; Am. Goldfinch, 69; Slate-colored Junco, 147; Am. Tree Sparrow, 220; Swamp Sparrow, 3; Song Sparrow, 1; **Snow Bunting, 1. Total,** 36 species; about 2156 individuals.—Paul Davis, Nora Grow, Raymond Grow (compiler).

288. Lafayette, Ind. (same area as previous 9 years; riverbottom 27%, creekbottom 30%, deciduous woods 10%, evergreen woods 1%, low woods and brush 17%, fields 12%, marsh 3%.)—Jan. 2; 5:05 a.m. to 4:50 p.m. Heavily clouded; temp. 36° to 40°; wind SW, 3-17 m.p.h.; ground bare, streams open, ponds frozen. Twenty-six observers in 11 parties. Total party-hours, 62 (59 on foot, 3 by car); total party-miles, 130 (69 on foot, 61 by car). Mallard, 177; **Wood Duck,** 1; **Greater Scaup,** 1 (carefully identified); Am. Golden-eye, **114**; Hooded Merganser, 3; Red-tailed Hawk, 11; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 10; Bob-white, 22; Killdeer, **15**; Wilson's Snipe, **15**; Herring Gull, 6; Mourning Dove, 253; Screech Owl, 2; Horned Owl, 4; Long-eared Owl, 4; Belted Kingfisher, 16; Yellow-shafted Flicker, 10; Red-bellied Woodpecker, **60**; Red-headed Woodpecker, 10; Hairy Woodpecker, 22; Downy Woodpecker, 124; Horned Lark, 84; Blue Jay, 128; Am. Crow, 217; Black-capped Chickadee, 155; Tufted Titmouse, 202; White-breasted Nuthatch, 38; Brown Creeper, 54; Winter Wren, 2; Carolina Wren, **41**; **Mockingbird,** 1; Am. Robin, 17; Golden-crowned Kinglet, 5; Cedar Waxwing, 30; Common Starling, 750; Myrtle Warbler, 1; House Sparrow, 1220; Eastern Meadowlark, 1; Red-winged Blackbird, 23; Purple Grackle, 2; Cardinal, 141; Purple Finch, 2; Am. Goldfinch, 30; **Red Crossbill, 3** (all marks noted, C.K.); **Vesper Sparrow,** 1; Slate-colored Junco, 399; Am. Tree Sparrow, 374; **White-crowned Sparrow,** 1; **White-throated Sparrow, 2**; Swamp Sparrow, 3; Song Sparrow, 119; **Lapland Longspur, 30. Total,** 54 species; about 4959 individuals.—William Barmore, Henry Boze, Irving Burr (compiler), Peter Burr, C. W. Campbell, Thomas Chell, Armyn and Charleton Crain, Marvin Davis, Marvin DeJonge, George and Jim Gries, Horace Jackson, Nicholas Kazarinoff, Charles Kirkpatrick, Carl Leopold, Charles Mack, Howard Michaud, Jack Myers, Walter Nicewander, Richard Phillips, Aubrey and Doris Smith, Anne, Margaret and Merritt Webster.

289. Mary Gray Bird Sanctuary, Ind. (251 acres in Connersville; deciduous woodland 50%, cultivated 25%, old fields planted in pine 25%).—Jan. 1; 8:30 a.m. to 4:30 p.m. Clear; temp. 24° to 46°; no wind; no snow, ponds frozen, streams partly open. Two observers in 1 party. Total party-hours, 8; total party-miles, 5 (all on foot). Cooper's Hawk, 1; Barred Owl, 1; **Long-eared Owl, 3**; **Saw-whet Owl,** 1; Yellow-shafted Flicker, 14; Red-bellied Woodpecker, 18; Red-headed Woodpecker, 24; Hairy Woodpecker, 3; Downy Woodpecker, 10; Blue Jay, 19; Am. Crow, 9; Carolina Chickadee, 18; Tufted Titmouse, 24; White-breasted Nuthatch, 10; Brown Creeper, 2; Carolina Wren, 3; Mockingbird, 1; House Sparrow, 13; Cardinal, 12; Purple Finch, 2; Am. Goldfinch, 11; Eastern Towhee, 5; Slate-colored Junco, 21; Am. Tree Sparrow, 12; Song Sparrow, 4. **Total,** 25 species; 241 individuals. (In area count week: Eastern Bluebird, White-throated Sparrow.)—Paulmer Keller, Fred Miller (compiler).

290. Michigan City, Ind. (same area as 1953).—Dec. 26; 5:50 a.m. to 6:35 p.m. Sunny; temp. 31° to 41°; wind S, 6 m.p.h.; ground bare, rivers, Lake Michigan open, some ditches, ponds, marshes frozen. Sixteen observers in 6 parties. Total party-hours, 58 (31 on foot, 27 by car); total party-miles, 321 (35 on foot, 286 by car). Horned Grebe, 6; Great Blue Heron, 1; Mallard, 62; Black Duck, 45; Pintail, 3; Redhead, 9; Canvas-back, 21; **Greater Scaup, 1** (T.N.); Lesser Scaup, 305; Am. Golden-eye, 645; Buffle-head, 366; Old-squaw, **31,539** (careful estimate); **Surf Scoter, 1** (T.N.); Ruddy Duck, 1; Hooded Merganser, 1; Am. Merganser, 967; Red-breasted Merganser, 6; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 7; Red-shouldered Hawk, 5; Marsh Hawk, 3; Sparrow Hawk, 7; Bob-white, 13; Ring-necked Pheasant, 5; Am. Coot, 3; Herring Gull, 1094; Ring-billed Gull, 355; Bonaparte's Gull, 215; **Little Gull,** 1 (T.N.); Mourn-

ing Dove, 3; Screech Owl, 1; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 3; Red-bellied Woodpecker, 2; Red-headed Woodpecker, 2; Hairy Woodpecker, 5; Downy Woodpecker, 34; Horned Lark, 22; Blue Jay, 180; Am. Crow, 172; Black-capped Chickadee, 54; Tufted Titmouse, 37; White-breasted Nuthatch, 19; Red-breasted Nuthatch, 1; Brown Creeper, 1; Am. Robin, 6; Cedar Waxwing, 16; Gray Shrike, 2; Common Starling, 1755; House Sparrow, 1500; Red-winged Blackbird, **10,063**; Rusty Blackbird, 32; Purple Grackle, **1000**; Brown-headed Cowbird, 40; Cardinal, 82; Evening Grosbeak, 29; Purple Finch, 28; Common Redpoll, 21; Pine Siskin, 3; Am. Goldfinch, 67; Eastern Towhee, 1; Slate-colored Junco, 346; Am. Tree Sparrow, 317; Field Sparrow, 1; White-throated Sparrow, 1; Swamp Sparrow, 2; Song Sparrow, 14; Snow Bunting, 1. **Total,** 70 species; about 51,554 individuals. (A winter-plumaged mature Little Gull collected at Michigan City during count period; count bird immature.)—Laurence C. Binford, Ted Chandik, Marvin Davis, Paul Davis, Mr. and Mrs. J. S. Findley, Nora Grow, Raymond Grow (compiler), Richard Macomber, Tom Magill, Tony Moredich, Ted Nork, John C. Read, Virginia Reuter-skiold, Jean Segal, Simon Segal.

291. New Castle, Ind. (7½-mile radius centering at Indiana Avenue and 11th Street; pine grove 4%, pasture 15%, deciduous woods 30%, open fields 45%, lake 1%, city 5%).—Dec. 31; 8:30 a.m. to 5:30 p.m.; temp. 24° to 32°; wind W, 12-15 m.p.h. Eleven observers in 4 parties. Total party-hours, 32 (21 on foot, 11 by car); total party-miles, 219 (71 on foot, 148 by car). Mute Swan, 6; Mallard, 280; Black Duck, 11; Lesser Scaup, 2; Cooper's Hawk, 1; Red-tailed Hawk, 9; Marsh Hawk, 1; Sparrow Hawk, 1; Am. Coot, 1; Yellow-shafted Flicker, 7; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 8; Hairy Woodpecker, 7; Downy Woodpecker, 43; Blue Jay, 47; Am. Crow, 96; Carolina Chickadee, 82; Tufted Titmouse, 32; White-breasted Nuthatch, 10; Brown Creeper, 3; Carolina Wren, 2; Am. Robin, **103**; Common Starling, 139; House Sparrow, 42; Cardinal, 61; Am. Goldfinch, 7; Eastern Towhee, 2; Vesper Sparrow, 8; Slate-colored Junco, 38; Am. Tree Sparrow, 37; Chipping Sparrow, 1; Field Sparrow, 231; Swamp Sparrow, 1; Song Sparrow, 12. **Total,** 34 species; about 1337 individuals. (Long-eared Owl seen in area count period.) —Arthur Branham, Gretchen Brennecke, Jean Cannon, Kate Clampitt, Phil Clampitt, Carl Davis, Jan Fleming (compiler), Betty Jane Gough, Harold Meadows, Mary Rankin, Bob Rinehart (Blue River Audubon Society).

292. Northern Lake County, Ind. (circle center moved south 2 miles to 25th St. and Broadway, Gary, for better coverage).—Jan. 2; 7:30 a.m. to 4:30 p.m. Overcast, rain a.m., fog p.m.; temp. 37° to 42°; wind SW, 6-12 m.p.h.; ground bare, Burns' Ditch, Lake Michigan open, rivers, ponds, marshes frozen. Four observers in 3 parties. Total party-hours, 24 (11 on foot, 13 by car); total party-miles, 65 (11 on foot, 54 by car). **Red-necked Grebe, 1**; Mallard, 2; Lesser Scaup, 12; Am. Golden-eye, 20; Old-squaw, 4; **White-winged Scoter, 4**; **Surf Scoter, 1** (in area for weeks); Am. Merganser, 200; Red-breasted Merganser, 12; Red-shouldered Hawk, 1; Sparrow Hawk, 3; Bob-white, 7; Ring-necked Pheasant, 1; Herring Gull, 272; Ring-billed Gull, 28; Mourning Dove, 1; Belted Kingfisher, 1; Red-headed Woodpecker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 5; Blue Jay, 25; Am. Crow, 14; Black-capped Chickadee, 4; Tufted Titmouse, 5; White-breasted Nuthatch, 8; Am. Robin, 2; Common Starling, 447; House Sparrow, 382; Red-winged Blackbird, 44; Cardinal, 13; Purple Finch, 1; Common Redpoll, 27; Am. Goldfinch, 20; Slate-colored Junco, 327; Am. Tree Sparrow, 531; **White-crowned Sparrow, 8** (same site as 2 years previous—RG.); White-throated Sparrow, 1; Swamp Sparrow, 4; Song Sparrow, 4. **Total,** 39 species; about 2445 individuals. —Raymond Grow (compiler), John M. Louis, George T. Newman, Philip R. Sigler.

293. Richmond, Ind. (same area as last year).—Dec. 26; 8:15 a.m. to 6 p.m. Cloudy, clear by 10:30 a.m.; temp. 28° to 40°; wind NE, 9 m.p.h.; ground bare, small ponds and streams frozen, rivers open. Seven observers in 2 parties. Total party-hours, 20 (18 on foot, 2 by car); total party-miles, 105 (25 on foot, 80 by car). Great Blue Heron, 3; Mallard, 3; Black Duck, 1; Cooper's Hawk, 3; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Sparrow Hawk, 7; Killdeer, 13; Mourning Dove, 49; Barred Owl, 2; Long-eared Owl, 1; Short-eared Owl, 8; Belted Kingfisher, 5; Yellow-shafted Flicker, 15; Red-bellied Woodpecker, 14; Red-headed Woodpecker, 18; Hairy Woodpecker, 3; Downy Woodpecker, 36; Horned Lark, 35; Blue Jay, 29; Am. Crow, 41; Carolina Chickadee, 130; Tufted Titmouse, 70; White-breasted Nuthatch, 14; Red-breasted Nuthatch, 2; Brown Creeper, 8; Winter Wren, 3; Carolina Wren, 20; Mockingbird, 1; Am. Robin, 10; Eastern Bluebird, 1; Golden-crowned Kinglet, 4; Cedar Waxwing, 3; Common Starling, 227; House Sparrow, 436; Eastern Meadowlark, 6; Cardinal, 86; Pine Siskin, 3; Am. Goldfinch, 18; Eastern Towhee, 1; Slate-colored Junco, 80; Am. Tree Sparrow, 331; Field Sparrow, 1; Swamp Sparrow, 8; Song Sparrow, 75. **Total,** 45 species; about 1829 individuals.—J. B. Cope (compiler), Mr. and Mrs. L. B. Hunt, W. Kem, Mrs. C. S. Snow, G. L. Ward, R. Ware.

294. South Bend, Ind. (same area as previous counts; deciduous woods 30%, marshland 5%, open farmland 30%, open river 20%, cedar and spruce groves 5%, park 10%).—Dec. 26; 8 a.m. to 4 p.m. Clear; temp. 21° to 40°; wind N, 5-7 m.p.h.; river and creeks open, lakes partly open. Twenty-one observers in 4 parties. Total party-hours, 38 (33 on foot, 5 by car); total party-miles, 172 (85 on foot, 87 by car). Mallard, 435; Black Duck, 3; Ring-necked Duck, 1; Canvas-back, 3; Am. Golden-eye, 68; Red-tailed Hawk, 2; Red-shouldered Hawk, 4; Sparrow Hawk, 4; Bob-white, 23; Ring-necked Pheas-

ant, 4; Wilson's Snipe, 2; Herring Gull, 6; Mourning Dove, 99; Belted Kingfisher, 2; Yellow-shafted Flicker, 6; Red-headed Woodpecker, 10; Hairy Woodpecker, 2; Downy Woodpecker, 24; Horned Lark, 5; Blue Jay, 105; Am. Crow, 119; Black-capped Chickadee, 84; Tufted Titmouse, 32; White-breasted Nuthatch, 39; Brown Creeper, 5; Am. Robin, 1; Golden-crowned Kinglet, 1; Common Starling, 152; House Sparrow, 543; Eastern Meadowlark, 5; Cardinal, 68; Purple Finch, 4; Am. Goldfinch, 25; Vesper Sparrow, 1; Slate-colored Junco, 154; Am. Tree Sparrow, 74; Field Sparrow, 7; Song Sparrow, 11. **Total,** 38 species; about 2133 individuals.—Violet Ackerman, Larry Cox, Helen Dawson, Bob Freshley, Dick Freshley, Elinor Freshley, Mary Ann Gibson, Dale Harbaugh, Andy Hayes, Gary Hunter, Martha Hunter, Larry Keeley, Janet Kochanowski, Dorothy Meek, John Pine, Nancy Rea (compiler), Robert Rea, Scott Rea, Arthur Reed, Roy Rogers, George Vesey (South Bend Audubon Society).

295. Southeastern LaPorte County, Ind. (Kankakee River south in Union Township 7 miles, adjoining fields and woods west of river; marshland 40%, open fields 40%, woods 20%).—Jan. 2; 8 a.m. to 4 p.m. Cloudy, rain and mist a.m.; temp. 32° to 40°; wind W, 7-10 m.p.h.; ground bare. Nine observers in 2 parties. Total party-hours, 73 (65 on foot, 8 by car); total party-miles, 64 (36 on foot, 28 by car). Mallard, 204; Pintail, 1; Rough-legged Hawk, 1; Marsh Hawk, 4; Bob-white, 1; Ring-necked Pheasant, 2; Mourning Dove, 2; Horned Owl, 1; Barred Owl, 1; Hairy Woodpecker, 2; Downy Woodpecker, 11; Horned Lark, 25; Blue Jay, 45; Am. Crow, 27; Black-capped Chickadee, 26; Tufted Titmouse, 6; White-breasted Nuthatch, 2; Common Starling, 90; House Sparrow, 167; Cardinal, 23; Common Redpoll, 8; Am. Goldfinch, 12; Slate-colored Junco, 183; Am. Tree Sparrow, 279; Song Sparrow, 9. **Total,** 25 species; about 1132 individuals. (Sparrow Hawk seen in area count week.) —Dorothy M. Buck (compiler), J. P. Buck, Robert Horney, Janet Kochanowski, Nancy Rea, Scott Rea, Virgil Rea, Elinor Vesey, George Vesey.

296. Willow Slough State Game Preserve, Ind. (Morocco area same as 1953).—Dec. 31; 7:15 a.m. to 5 p.m. Clear; temp. 25° to 33°; wind S to W, 6-15 m.p.h.; ground bare, some ditches open, marsh frozen except in center. Two observers in 1 party. Total party-hours, 9¾ (6¾ on foot, 3 by car); total party-miles, 56 (13 on foot, 43 by car). Canada Goose, 2500; Mallard, **150,000**; Black Duck, 1500; Pintail, 6; Canvas-back, 1; Red-tailed Hawk, 9; Red-shouldered Hawk, 1; Bald Eagle, 2; Marsh Hawk, 5; Greater Prairie Chicken, 55; Ring-necked Pheasant, 2; Yellow-shafted Flicker, 1; Red-headed Woodpecker, 7; Hairy Woodpecker, 1; Downy Woodpecker, 11; Horned Lark, 132; Blue Jay, 55; Am. Crow, 335; Black-capped Chickadee, 12; Tufted Titmouse, 10; White-breasted Nuthatch, 2; Common Starling, 10; House Sparrow, 256; Eastern Meadowlark, 2; Red-winged Blackbird, 13; Cardinal, 22; Purple Finch, 3; Am. Goldfinch, 63; Eastern Towhee, 1; Slate-colored Junco, 214; Am. Tree Sparrow, 417; Swamp Sparrow, 3; Song Sparrow, 2; Lapland Longspur, 2. **Total,** 34 species; about 155,655 individuals.—Paul Davis, Raymond Grow (compiler).

297. Bird Haven Sanctuary, Ill. (Richland County, 7½-mile radius centering on Bird Haven, including New Olney Lake, Weber-Shaw Refuge, Big Creek; open farmlands 85%, deciduous forests 15%).—Dec. 26; 7 a.m. to 5 p.m.; temp. 28° to 38°; wind NE, 10 m.p.h.; water open. Ten observers in 3 parties. Total party-hours, 25 (6 on foot, 19 by car); total party-miles, 247 (10 on foot, 237 by car). Canada Goose, 46; Mallard, 79; Am. Merganser, 2; Cooper's Hawk, 1; Red-tailed Hawk, 10; Red-shouldered Hawk, 6; Rough-legged Hawk, 4; Marsh Hawk, 21; Sparrow Hawk, 29; Bob-white, 2; Mourning Dove, 97; Barred Owl, 2; Yellow-shafted Flicker, 21; Red-bellied Woodpecker, 16; Red-headed Woodpecker, 25; Hairy Woodpecker, 3; Downy Woodpecker, 29; Horned Lark, 86; Blue Jay, 231; Am. Crow, 142; Carolina Chickadee, 31; Tufted Titmouse, 31; White-breasted Nuthatch, 2; Carolina Wren, 15; Mockingbird, 25; Am. Robin, 254; Eastern Bluebird, 76; Golden-crowned Kinglet, 1; Cedar Waxwing, 37; Loggerhead Shrike, 9; Common Starling, 709; House Sparrow, 678; Eastern Meadowlark, 250; Brown-headed Cowbird, 22; Cardinal, 165; Am. Goldfinch, 19; Slate-colored Junco, 244; Am. Tree Sparrow, 204; Field Sparrow, 6; White-crowned Sparrow, 6; Swamp Sparrow, 3; Song Sparrow, 14. **Total,** 42 species; about 3653 individuals. (Black Duck, Screech Owl, Horned Owl, Purple Finch, **Dickcissel** seen count period.)—Mr. and Mrs. William Bridges, Mrs. Minnie Hundley, Mr. and Mrs. Chester Scherer, Mrs. Vera Scherer Shaw (compiler).

298. Bushnell, Ill. (7½-mile radius centering on Bushnell; farmland 60%, timber 40%).—Dec. 26; 7 a.m. to 4:30 p.m. Partly cloudy a.m., clear p.m.; temp. 34° to 41°; wind NE, 10-15 m.p.h.; ground clear, creeks partly frozen, ponds completely frozen. Three observers in 1 party. Total party-hours, 8½ (5 on foot, 3½ by car); total party-miles, 63 (7 on foot, 56 by car). Mallard, 32; Red-tailed Hawk, 6; Marsh Hawk, 1; Sparrow Hawk, 5; Wilson's Snipe, 2; Mourning Dove, 26; Screech Owl, 1; Horned Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 7; Red-bellied Woodpecker, 11; Red-headed Woodpecker, 21; Hairy Woodpecker, 1; Downy Woodpecker, 22; Horned Lark, 8; Blue Jay, 57; Am. Crow, 72; Black-capped Chickadee, 23; Tufted Titmouse, 2; White-breasted Nuthatch, 13; Carolina Wren, 1; Mockingbird, 2; Am. Robin, 5; Cedar Waxwing, 13; Common Starling, 302; House Sparrow, 488; Red-winged Blackbird, 30; Cardinal, 38; Am. Goldfinch, 20; Slate-colored Junco, 79; Am. Tree Sparrow, 489; Song Sparrow, 11. **Total,** 32 species; about 1790 individuals. (Seen in area count period: Brown Creeper, Purple Grackle.)—Larry L. Hood (compiler), Doris R. Scholes, John H. Scholes.

299. Channahon, Ill. (riverside-roadside census; south from Channahon along tow-path of I and M Canal to Morris, back along Kankakee and Des Plaines Rivers; river edge 60%, deciduous farm woodlots 15%, plowed fields and pasture 20%, cattail marsh 5%).—Dec. 31; 8:30 a.m. to 4:45 p.m. Clear to partly cloudy; temp. 28° to 34°; wind NW, 8-10 m.p.h.; ground bare, most of back waters and creeks frozen. Seven observers in 2 parties. Total party-hours, 12 (4 on foot, 8 by car); total party-miles, 63 (4 on foot, 59 by car). Black-crowned Night Heron, 4; Mallard, 25,000; Black Duck, 15,000; Pintail, 2; Ring-necked Duck, 4; Canvasback, 35; scaup (sp.), 350; Am. Golden-eye, 100; Buffle-head, 1; Ruddy Duck, 1; Hooded Merganser, 1; Am. Merganser, 15; Red-breasted Merganser, 8; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 2; Ring-necked Pheasant, 1; Am. Coot, 2; Herring Gull, 40; Mourning Dove, 40; Screech Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 4; Hairy Woodpecker, 2; Downy Woodpecker, 5; Horned Lark, 5; Blue Jay, 2; Am. Crow, 200; Black-capped Chickadee, 25; Tufted Titmouse, 5; White-breasted Nuthatch, 3; Brown Creeper, 4; Winter Wren, 2; Carolina Wren, 3; Gray Shrike, 2; Common Starling, 39; House Sparrow, 60; Red-winged Blackbird, 3; Rusty Blackbird, 4; Brown-headed Cowbird, 3; Cardinal, 8; Am. Goldfinch, 5; Slate-colored Junco, 150; Am. Tree Sparrow, 200; Swamp Sparrow, 6; Song Sparrow, 3. **Total,** 48 species; about 41,361 individuals.—Karl E. Bartel (compiler), L. C. Binford, Albert L. Campbell, Charles T. Clark, Margaret C. Lehmann, Alfred Lewy, Theodore Nork.

300. Chicago, Ill. (15-mile diameter centering at Touhy and Lincoln Ave., Lincolnwood, including lakefront, Forest Preserve District, Graceland, Rosehill and Memorial Park Cemeteries; city streets 5%, lakefronts and harbors 18%, golf courses 3%, river woods 34%, rivers and canals 1%, open fields 16%, cemeteries 8%, city parks 11%, feeders 4%).—Dec. 26; 7:30 a.m. to 4:30 p.m. Clear a.m., cloudy p.m.; temp. 30° to 35°; wind SE, 10-15 m.p.h.; ground clear, surface thawing p.m.; lake open, harbors and rivers partly frozen. Thirty-three observers in 6 parties. Total party-hours, 54 (49 on foot, 5 by car); total party-miles, 174 (51 on foot, 123 by car). Horned Grebe, 2; Pied-billed Grebe, 1; Mallard, 128; Black Duck, 8; Lesser Scaup, 4; Am. Golden-eye, 2217; Buffle-head, 2; Old-squaw, 105; Am. Merganser, 45; Red-breasted Merganser, 425; Red-tailed Hawk, 3; Red-shouldered Hawk, 4; Sparrow Hawk, 11; Ring-necked Pheasant, 67; Herring Gull, 3192; Ring-billed Gull, 25; Mourning Dove, 4; Horned Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 9; Downy Woodpecker, 58; Blue Jay, 7; Am. Crow, 217; Black-capped Chickadee, 194; Tufted Titmouse, 4; White-breasted Nuthatch, 6; Brown Creeper, 6; Am. Robin, 23; **Hermit Thrush,** 1 (Mrs. J. H.); Golden-crowned Kinglet, 3; Gray Shrike, 1; Common Starling, 5124; House Sparrow, 525; Cardinal, 20; Purple Finch, 7; Common Redpoll, 8; Am. Goldfinch, 37; Slate-colored Junco, 112; Am. Tree Sparrow, 179; Song Sparrow, 2; Snow Bunting, 5. **Total,** 44 species; about 12,796 individuals. (Seen in area count period: White-winged Scoter, Am. Scoter.)—Ann Anglemire, Kenneth Anglemire, Ormsby Annan, Clyde Aultz, William Baasel, Jr., Clinton C. Bennett, Mrs. Catherine Campbell, Mrs. Horton Conrad, Mrs. W. G. DuMont, Mrs. Marvin Ericson, Herman Frauen, Albert E. Gilbert, Kenny Gilchrist, H. W. Goodall, Joseph Healy, Mr. and Mrs. John Helmer, Mrs. L. J. Helmick, John Janusz, Jr., Thomas L. Kemper, Mr. and Mrs. Russell Mannette, Mr. and Mrs. Cyrus Mark, Helen McMillen, Jerry Mustoffa, Philip N. Steffen, Mrs. L. W. Stolte, Brother I. Vincent (compiler), James R. Ware, Andrew Weir, Francis C. Whitehead, Mrs. Carl Wilm (Evanston Bird Club).

301. Crab Orchard Wildlife Refuge, Ill. (Carterville; count by refuge personnel within 15-mile diameter circle from refuge headquarters, including parts of Little Grassy Lake and Devil's Kitchen damsite; open field 11%, lake shore 30%, swamp woodland 22%, upland 32%, pine 5%).—Dec. 28; 5:35 a.m. to 3:30 p.m. Cloudy; temp. 33° to 50°; wind S to SE, 2-12 m.p.h.; ground slightly frozen. Six observers in 3 parties. Total party-hours, 26 (9 on foot, 17 by car); total party-miles, 123 (8 on foot, 115 by car). Pied-billed Grebe, 2; Great Blue Heron, 7; Canada Goose, 27,593; Mallard, 41,505; Black Duck, 5079; Pintail, 8; Ring-necked Duck, 2; Am. Golden-eye, 24; Hooded Merganser, 144; Am. Merganser, 1340; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 17; Red-shouldered Hawk, 2; **Rough-legged Hawk,** 1; Bald Eagle, 9; Marsh Hawk, 4; Sparrow Hawk, 8; Bob-white, 32; Am. Coot, 3; Killdeer, 4; Herring Gull, 600; Ring-billed Gull, 540; Mourning Dove, 22; Horned Owl, 2; Barred Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 51; Pileated Woodpecker, 4; Red-bellied Woodpecker, 5; Red-headed Woodpecker, 15; Hairy Woodpecker, 3; Downy Woodpecker, 7; Blue Jay, 86; Am. Crow, 110; Black-capped Chickadee, 71; Tufted Titmouse, 5; Carolina Wren, 12; Mockingbird, 21; Am. Robin, 102; Eastern Bluebird, 56; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 1; Common Starling, 158; Myrtle Warbler, 16; House Sparrow, 116; Eastern Meadowlark, 6; Red-winged Blackbird, 25; Cardinal, 138; Am. Goldfinch, 49; Eastern Towhee, 5; Slate-colored Junco, 322; Am. Tree Sparrow, 64; Field Sparrow, 4; White-crowned Sparrow, 11; White-throated Sparrow, 1; Fox Sparrow, 1; Swamp Sparrow, 6; Song Sparrow, 8. **Total,** 59 species (2 additional subspecies); about 78,438 individuals. (Horned Lark, Loggerhead Shrike, Purple Grackle, Lesser Scaup, Brown Creeper, Buffle-head observed official count period.)—Lee Bush (compiler), Eugene Crawford, Al Monke, William Meneese, Larry Sheffield, Harry Stiles.

302. Decatur, Ill. (same area as 1952; weeds and thickets 15%, river and stream bottomlands 35%, upland woodland 13%, water 15%, fields, pasture

and open country 12%, evergreen 5%, shore 3%, marsh 2%).—Dec. 26; 3 a.m. to 10:30 p.m. Cloudy a.m., fair p.m.; temp. 32° to 44°; wind NE, 13 m.p.h.; ground slightly muddy, lake partly frozen, river unfrozen, streams partly frozen. Sixteen observers in 8 parties. Total party-hours, 68 (47 on foot, 21 by car); total party-miles, 324 (67 on foot, 257 by car). Great Blue Heron, 1; Canada Goose, 7; Mallard, **17,141**; Black Duck, 952; Gadwall, 1; Am. Widgeon, 6; Pintail, 4; Green-winged Teal, 1; Redhead, 2; Ring-necked Duck, 2; Canvas-back, 29; Lesser Scaup, 20; Am. Golden-eye, 43; Ruddy Duck, 1; Am. Merganser, 13; Cooper's Hawk, 2; Red-tailed Hawk, 4; Red-shouldered Hawk, 5; Rough-legged Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 3; Bob-white, 78; Killdeer, 6; Herring Gull, 14; Ring-billed Gull, 26; Mourning Dove, 10; Horned Owl, 2; Barred Owl, 1; Belted Kingfisher, 6; Yellow-shafted Flicker, 23; Red-bellied Woodpecker, **111**; Red-headed Woodpecker, 8; Hairy Woodpecker, 17; Downy Woodpecker, **127**; Horned Lark, 95; Blue Jay, 143; Am. Crow, 5880; Black-capped Chickadee, 94; Tufted Titmouse, 251; White-breasted Nuthatch, 19; Red-breasted Nuthatch, 1; Brown Creeper, 6; Winter Wren, 2; Carolina Wren, 48; Mockingbird, 7; Am. Robin, 55; Golden-crowned Kinglet, 1; Cedar Waxwing, 26; Loggerhead Shrike, 2; Common Starling, 2186; House Sparrow, 2582; Red-winged Blackbird, 16; Purple Grackle, 4; Cardinal, 269; Purple Finch, 5; Am. Goldfinch, 45; Eastern Towhee, 3; Slate-colored Junco, 373; **Oregon Junco, 1** (all field marks—R.K.); Am. Tree Sparrow, 383; Field Sparrow, 1; Swamp Sparrow, 10; Song Sparrow, 77; Snow Bunting, 2. **Total,** 64 species; about 31,258 individuals. (Seen during week: Bald Eagle, Wilson's Snipe, Screech Owl, Eastern Meadowlark.)—Mrs. F. H. Brock, G. Chaniot, J. Chaniot, H. Glosser, D. Gorham, H. Gorham, F. Irwin, A. Irwin, R. Kirby (compiler), W. Mannering, P. Nearing, T. Nearing, P. Rivard, R. Sandburg, R. Simpson, P. Smith, G. Smith.

303. East St. Louis, Ill. (7½-mile radius centering on Washington Park, including Grand Marais State Park, Mounds State Park, Signal Hill, Horseshoe Lake, Monk's Mound, Mount Hope Cemetery; deciduous woods 40%, lakes 15%, open fields 10%, marshes 20%, farmlands 5%, cemeteries 5%, brush 3%, cedar groves 2%).—Dec. 28; 7:30 a.m. to 4:30 p.m. Cloudy; temp. 35° to 52°; wind SW to W, 10-12 m.p.h.; large lakes open, small lakes and creeks frozen. Two observers in 1 party. Total party-hours, 9 (7 on foot, 2 by car); total party-miles, 62 (7 on foot, 55 by car). Mallard, 339; Pintail, 6; Red-shouldered Hawk, 1; Sparrow Hawk, 6; Bob-white, 4; Killdeer, 1; Ring-billed Gull, 1; Mourning Dove, 3; Barred Owl, 1; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 17; Horned Lark, 1; Blue Jay, 1; Am. Crow, 43; Black-capped Chickadee, 8; Carolina Chickadee, 30; Tufted Titmouse, 21; White-breasted Nuthatch, 1; Carolina Wren, 13; Mockingbird, 1; Am. Robin, 55; Cedar Waxwing, 1; Common Starling, 210; House Sparrow, 410; European Tree Sparrow, 46; Red-winged Blackbird, 27; Cardinal, 37; Am. Goldfinch, 6; Slate-colored Junco, 21; Am. Tree Sparrow, 45; Field Sparrow, 2; White-crowned Sparrow, 1; White-throated Sparrow, 1; Swamp Sparrow, 17; Song Sparrow, 29. **Total,** 38 species; about 1419 individuals.—Richard L. Cunningham (compiler), Sally Springer.

304. Elsah, Ill. (same area as 1951).—Dec. 24; 6 a.m. to 6 p.m. Clear; temp. 42° to 72°; wind W, 0-8 m.p.h. Five observers in 2 parties. Total party-hours, 10 (8 on foot, 2 by car); total party-miles, 30 (8 on foot, 22 by car). Canada Goose, 21; Snow Goose, 11; Mallard, 150; Pintail, 200; Redhead, 14; Canvas-back, 430; Lesser Scaup, 250; Am. Golden-eye, 2; Red-tailed Hawk, 2; Bald Eagle, 2; Marsh Hawk, 1; Sparrow Hawk, 1; **Osprey, 1**; Bob-white, 11; Herring Gull, 100; Ring-billed Gull, 40; Mourning Dove, 2; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 15; Horned Lark, 7; Blue Jay, 10; Am. Crow, 80; Black-capped Chickadee, 41; Tufted Titmouse, 54; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 1; Carolina Wren, 7; Mockingbird, 2; Am. Robin, 50; Eastern Bluebird, 17; Golden-crowned Kinglet, 5; Cedar Waxwing, 42; Gray Shrike, 1; Common Starling, 26; House Sparrow, 70; European Tree Sparrow, 3; Eastern Meadowlark, 3; Purple Grackle, 17; Brown-headed Cowbird, 2; Cardinal, 61; Purple Finch, 3; Am. Goldfinch, 25; Slate-colored Junco, 80; Am. Tree Sparrow, 24; Field Sparrow, 12; White-throated Sparrow, 9; Song Sparrow, 8. **Total,** 55 species; about 1942 individuals.—R. A. Andrews, G. B., G. M., and H. G. M. Happ, J. F. Wanamaker (compiler).

305. Murphysboro, Ill. (same area as last year).—Dec. 27; 6:30 a.m. to 5 p.m. Partly cloudy; temp. 26° to 48°; wind NW, 0-10 m.p.h.; ground bare, water 95% open. Three observers in 3 parties. Total party-hours, 30 (23 on foot, 7 by car); total party-miles, 124 (24 on foot, 100 by car). Great Blue Heron, 1; Canada Goose, 55; Mallard, 117; Black Duck, 2; Ring-necked Duck, 4; Am. Golden-eye, 8; Red-tailed Hawk, 4; Red-shouldered Hawk, 3; Marsh Hawk, 6; Sparrow Hawk, 5; Bob-white, 14; Ring-billed Gull, 1999; Mourning Dove, 55; Horned Owl, 1; Barred Owl, 5; Belted Kingfisher, 5; Yellow-shafted Flicker, 14; Pileated Woodpecker, 1; Red-bellied Woodpecker, 45; Red-headed Woodpecker, 53; Yellow-bellied Sapsucker, 9; Hairy Woodpecker, 1; Downy Woodpecker, 67; Horned Lark, 1; Blue Jay, 84; Am. Crow, 80; Carolina Chickadee, 103; Tufted Titmouse, 59; White-breasted Nuthatch, 2; Brown Creeper, 3; Winter Wren, 2; Bewick's Wren, 2; Carolina Wren, 30; Mockingbird, 12; Am. Robin, 36; Hermit Thrush, 1; Eastern Bluebird, 31; Golden-crowned Kinglet, 1; Cedar Waxwing, 9; Loggerhead Shrike, 9; Common Starling, 98; House Sparrow, 82; Eastern Meadowlark, 21; Cardinal, 136; Purple Finch,

6; Pine Siskin, 5; Am. Goldfinch, 37; Eastern Towhee, 4; Slate-colored Junco, 153; Am. Tree Sparrow, 110; Field Sparrow, 4; White-crowned Sparrow, 1; White-throated Sparrow, 3; Fox Sparrow, 1; Swamp Sparrow, 30; Song Sparrow, 24. **Total,** 56 species; about 3654 individuals.—Richard Brewer (compiler), William Hardy, Kenneth Stewart.

306. Pere **Marquette State Park, Ill.** (7½-mile radius from Park Lodge 5 miles west of Grafton).—Dec. 26; 7 a.m. to 5 p.m. Partly cloudy; temp. 32° to 55°; wind 10-15 m.p.h. Nineteen observers in 5 parties. Total party-hours, 44 (15 on foot, 29 by car); total party-miles, 193 (27 on foot, 166 by car). Great Blue Heron, 7; Canada Goose, 102; Snow Goose, 500; Blue Goose, 2502; Mallard, 14,000; Black Duck, 14; Pintail, 14; Ring-necked Duck, 8; Canvas-back, 52; Lesser Scaup, 25; Am. Golden-eye, 92; Ruddy Duck, 5; Am. Merganser, 179; Red-tailed Hawk, 18; Red-shouldered Hawk, 2; Rough-legged Hawk, 4; Bald Eagle, **28**; Marsh Hawk, 5; Sparrow Hawk, 26; Bob-white, 10; Killdeer, 1; Herring Gull, 10; Ring-billed Gull, 660; Mourning Dove, 42; Screech Owl, 2; Barred Owl, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 69; Pileated Woodpecker, 3; Red-bellied Woodpecker, 62; Red-headed Woodpecker, 65; Hairy Woodpecker, 6; Downy Woodpecker, 57; Blue Jay, 109; Am. Crow, 380; Black-capped Chickadee, 136; Tufted Titmouse, 101; White-breasted Nuthatch, 54; Brown Creeper, 2; Carolina Wren, 28; Mockingbird, 7; **Brown Thrasher,** 1; Am. Robin, 570; Eastern Bluebird, 65; Golden-crowned Kinglet, 1; Cedar Waxwing, 88; Loggerhead Shrike, 10; Common Starling, **20,600**; House Sparrow, 3120; European Tree Sparrow, 25; Eastern Meadowlark, 78; Western Meadowlark, 1; Red-winged Blackbird, 137; Purple Grackle, 10; Brown-headed Cowbird, 4; Cardinal, 467; Am. Goldfinch, 70; **Eastern Towhee,** 1; Slate-colored Junco, 1345; Am. Tree Sparrow, 550; Field Sparrow, 12; White-crowned Sparrow, 3; White-throated Sparrow, 2; Swamp Sparrow, 1; Song Sparrow, 79. **Total,** 65 species; about 46,631 individuals.—Beverly Ball, Glenna Ball, Herbert Ball (compiler), Alberta M. Bolinger, Jackye Crouch, Norman Crouch, Cora Hutchinson, O. C. Hutchinson, Charles Laun, James Nelson, Lorli Nelson, Lynn Schaefer, Mildred Schaefer, F. E. Springer, Sarah J. Springer, Allan Weber, Irene Weber, Kenneth Weber, Lucas Wrischnik (Cahokia Nature League, Marquette Nature League).

307. **Princeton, Ill.** (7½-mile radius, Princeton on northern boundary, Hennepin on southeast; town 10%, farms 15%, groves 25%, highways 25%, river bottomlands 25%).—Dec. 29; 7 a.m. to 5 p.m. Cloudy to clear; temp. 34° to 26°; wind NE, 5-15 m.p.h.; no snow, fresh water partly frozen. Thirteen observers in 7 parties. Total party-hours, 116 (17 on foot, 99 by car); total party-miles, 463 (9 on foot, 454 by car). Canada Goose, 4; Mallard, 1576; Canvas-back, 150; Red-tailed Hawk, 13; Red-shouldered Hawk, 3; Rough-legged Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 3; Bob-white, 50; Ring-billed Gull, 9; Mourning Dove, 6; Screech Owl, 1; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 1; Red-shafted Flicker, 8; Red-bellied Woodpecker, 30; Red-headed Woodpecker, 15; Hairy Woodpecker, 18; Downy Woodpecker, 34; Blue Jay, 61; Am. Crow, 78; Black-capped Chickadee, 115; Tufted Titmouse, 32; White-breasted Nuthatch, 71; **Red-breasted Nuthatch,** 1; Brown Creeper, 2; Winter Wren, 1; Am. Robin, 2; **Ruby-crowned Kinglet, 10** (P.K.); Cedar Waxwing, 30; Common Starling, 668; House Sparrow, 829; Red-winged Blackbird, 2000; Rusty Blackbird, **750**; Purple Grackle, 3; Cardinal, 68; **Purple Finch,** 4; Am. Goldfinch, 1; Slate-colored Junco, 560; Oregon Junco, 2 (D.F., M.S.) [no details—Ed.]; Am. Tree Sparrow, 338; Swamp Sparrow, 2; Song Sparrow, 4. **Total,** 44 species; about 7558 individuals. (Seen in area count week: Mockingbird.)—Edith Callinan, John Callinan, Alfred Dyke, Vinnie Dyke, Donnabelle Fry, Carl H. Kramer (compiler), Margaret Paden, Ellis Rudiger, Ruth Skinner, Mary Smith, Ellen Thomas, Harry Thomas, E. W. Whitten (Bureau Valley Bird Club).

308. **River Forest–Chicago Lake Front, Ill.** (Forest Preserve areas in Cook County along Des Plaines River between Madison St. and North Ave., Chicago lake front between Randolph St. and Northerly Island Airport; deciduous woodlands 50%, lakefront 35%, open farm fields 15%).—Dec. 26; 7 a.m. to 4:30 p.m. Clear to partly cloudy; temp. 31° to 38°; wind WNW, 5-15 m.p.h.; ground clear, river and ponds frozen, Lake Michigan open. Two observers in 1 party. Total party-hours, 8½ (6½ on foot, 2 by car); total party-miles, 20 (11 on foot, 9 by car). Mallard, 9; Lesser Scaup, 1; Am. Golden-eye, 392; Old-squaw, 957; Am. Merganser, 9; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 7; Herring Gull, 1000; Ring-billed Gull, 1000; Hairy Woodpecker, 5; Downy Woodpecker, 17; Am. Crow, 24; Black-capped Chickadee, 28; Tufted Titmouse, 1; White-breasted Nuthatch, 7; Brown Creeper, 5; **Varied Thrush,** 1 (carefully studied at 15 ft. by both observers); Golden-crowned Kinglet, 3; Common Starling, 45; House Sparrow, 41; Cardinal, 12; Slate-colored Junco, 29; Am. Tree Sparrow, 2; Fox Sparrow, 6; Song Sparrow, 3. **Total,** 27 species; about 3607 individuals. (Seen in area count period: Am. Goldfinch.)—A. C. Montague (compiler), Peter Pearson.

309. **Rockford, Ill.** (same area as previous years, 7½-mile radius centered just north of Owen Center to include Rock and Pecatonica riverbottoms; open fields and farms 30%, coniferous plantings 5%, creek and river borders 20%, deciduous woodlands 30%, marshland and riverbottom sloughs 15%).—Dec. 26; 6:30 a.m. to 5 p.m. Clear a.m., cloudy p.m.; temp. 22° to 37°; wind NW to N, 0-10 m.p.h.; 1-in. snow on ground, melting by end of day, water frozen except fast moving streams. Twenty-six observers in 7 parties. Total party-hours, 57 (32 on foot, 25 by car); total party-miles, 279 (48 on foot, 231 by car).

Canada Goose, 6; Mallard, 54; Black Duck, 1; Lesser Scaup, 13; Am. Golden-eye, 36; **Goshawk,** 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 22; Red-shouldered Hawk, 4; Rough-legged Hawk, **28**; Marsh Hawk, 8; Sparrow Hawk, 13; Bob-white, 7; Ring-necked Pheasant, 11; Mourning Dove, 29; Screech Owl, 3; Horned Owl, 3; Barred Owl, 3; Long-eared Owl, **23**; Short-eared Owl, 7; Belted Kingfisher, 6; Yellow-shafted Flicker, 10; Red-bellied Woodpecker, 40; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 8; Downy Woodpecker, 117; **Eastern Phoebe,** 1; Horned Lark, 33; Blue Jay, 110; Am. Crow, 721; Black-capped Chickadee, 219; Tufted Titmouse, 29; White-breasted Nuthatch, 68; Red-breasted Nuthatch, 4; Brown Creeper, 17; Carolina Wren, 1; Am. Robin, 3; Golden-crowned Kinglet, 1; Cedar Waxwing, 3; Common Starling, 1596; House Sparrow, 1039; Rusty Blackbird, 5; Cardinal, 90; Purple Finch, 2; Am. Goldfinch, 127; Eastern Towhee, 1; Slate-colored Junco, 250; Am. Tree Sparrow, 926; White-throated Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 19; Lapland Longspur, 546. **Total,** 53 species; about 6272 individuals. (Seen in area count period: Ring-billed Gull, Cooper's Hawk, Eastern Meadowlark.)—Bob Anderson, Donald Bennett, Harold Bennett, Bill Brooks, Francis Colehour, Phil Danielson, Sherman Ehlert, Leland Ellis, Edna Hamilton, Bob Haskin, Lee Johnson, Mary Jane Jones, Milton Mahlburg, J. Craig Molsberry, Jack Oar, R. Earl Olson, Frank Renn, Raymond Renn, Dan Sabrowski, Florence Schenck, Dave Seal (compiler), John Sheagren, Jane Tester, Edith Van Duzer, J. B. Van Sickle, John Williams.

310. Southeastern Cook Co., Ill. (same area as previous years, parts of Chicago, Hammond and surrounding cities; deciduous woods and brush 35%, lake shore 35%, city streets 10%, open fields 10%, dump 5%, marsh 5%).—Dec. 29; 7:20 a.m. to 4:20 p.m. Overcast, clearing 3 p.m.; temp. 35° to 30°; wind NW, 5-15 m.p.h.; ground bare, marshes frozen, Wolf and Calumet Lakes 80% frozen, other water open. Three observers in 1-2 parties. Total party-hours, 12 (10 on foot, 2 by car); total party-miles, 37 (7 on foot, 30 by car). Common Loon, 1; **Red-throated Loon,** 1; Mallard, 126; Black Duck, 3; scaup (sp.), 4; Am. Golden-eye, 179; Old-squaw, 5; **White-winged Scoter,** 2; Am. Merganser, 41; Red-shouldered Hawk, 3; Rough-legged Hawk, 1; Sparrow Hawk, 6; Ring-necked Pheasant, 1; Am. Coot, 2; **Iceland Gull,** 1 (adult, seen clearly, 20x scope, M.D., R.P., W.B.); Herring Gull, **10,594**; Ring-billed Gull, 295; Hairy Woodpecker, 1; Downy Woodpecker, 8; Blue Jay, 8; Am. Crow, 14; Black-capped Chickadee, 4; Tufted Titmouse, 6; White-breasted Nuthatch, 1; Brown Creeper, 2; Carolina Wren, 1; Common Starling, 340; House Sparrow, 175; Red-winged Blackbird, 120; Purple Grackle, 1; Cardinal, 14; Evening Grosbeak, 1; Purple Finch, 3; Common Redpoll, 12; Am. Goldfinch, 27; Slate-colored Junco, 126; Am. Tree Sparrow, 247; Song Sparrow, 13. **Total,** 38 species; about 12,389 individuals. (Seen during period: Rusty Blackbird.)—William Barmore, Marvin Davis (compiler), Richard Phillips.

311. Springfield, Ill. (7½-mile radius centering on city square, including Lake Springfield, Clear Lake, Oak Ridge Cemetery, Carpenter's Park, Winch's Lane, Chatham Flats, Sangamon River; water 5%, river-bottom 20%, pasture 20%, plowland 40%, city parks 15%).—Dec. 26; 7:30 a.m. to 5 p.m. Cloudy a.m., clear p.m.; temp. 33° to 44°; wind NE to SW, 8-20 m.p.h.; ground bare and soft in sunny spots, river open, lakes 10% open. Fourteen observers in 6 parties. Total party-hours, 43 (18 on foot, 25 by car); total party-miles, 267 (29 on foot, 238 by car). Common Loon, 1; Pied-billed Grebe, 1; Canada Goose, 75; Mallard, 5400; Black Duck, 15; Gadwall, 2; Am. Widgeon, 2; Pintail, 1; Green-winged Teal, 1; Redhead, 1; Ring-necked Duck, 3; Canvas-back, 10; Lesser Scaup, 5; Am. Golden-eye, 100; Bufflehead, 1; Ruddy Duck, 1; Hooded Merganser, 2; Am. Merganser, 50; Red-breasted Merganser, 100; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 17; Bob-white, 36; Am. Coot, 1; Wilson's Snipe, 2; Herring Gull, 12; Ring-billed Gull, 340; Mourning Dove, 47; Horned Owl, 1; Barred Owl, 5; Belted Kingfisher, 2; Yellow-shafted Flicker, 14; Pileated Woodpecker, 1; Red-bellied Woodpecker, 33; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 8; Downy Woodpecker, 62; Horned Lark, 6; Blue Jay, 112; Am. Crow, 497; Black-capped Chickadee, 45; Tufted Titmouse, 46; White-breasted Nuthatch, 22; Red-breasted Nuthatch, 1; Brown Creeper, 4; Carolina Wren, 16; Mocking-bird, 1; Am. Robin, 13; Eastern Bluebird, 6; Golden-crowned Kinglet, 1; Cedar Waxwing, 5; Common Starling, 2550; House Sparrow, 500; Cardinal, 197; Am. Goldfinch, 77; Slate-colored Junco, 660; Am. Tree Sparrow, 435; Song Sparrow, 3. **Total,** 59 species; about 11,555 individuals.—William O'Brien, Dr. and Mrs. Richard Allyn, W. A. Sausaman (compiler), Beatrice Hopwood, Lois Hogan, Al Kaszynski, Lena Hardbarger, Emma Leonard, Bea Foster, Freda Pinkova, William Nottingham, Maurice Cook, Vernon Greening (Springfield Nature League).

312. Urbana–Champaign, Ill. (Sangamon River near White Heath, Lake-of-the-Woods, Trelease and Brownfield Woods, South Farms, Urbana Township Wildlife Area, intervening farmlands; woods 40%, forest-edge 20%, open country 40%).—Dec. 26; 8 a.m. to 5 p.m. Clear; temp. 32° to 40°; wind moderate NE; ground bare, lake frozen. Seven observers in 3 parties. Total party-hours, 20 (15 on foot, 5 by car); total party-miles, 145 (20 on foot, 125 by car). **Turkey Vulture,** 3; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Rough-legged Hawk, 3; Marsh Hawk, 3; Sparrow Hawk, 7; Ring-necked Pheasant, 4; Mourning Dove, 56; Screech Owl, 1; Horned Owl, 4; Yellow-shafted Flicker, 13; Red-bellied Woodpecker, 27; Red-headed Woodpecker, 2; Hairy Woodpecker, 18; Downy Woodpecker, 60; Horned Lark, 118; Blue Jay, 51; Am. Crow, 175; Black-capped Chickadee, 73; Tufted Titmouse, 73; White-breasted Nuthatch, 16; Brown Creeper, 1;

Carolina Wren, 14; Am. Robin, 24; Golden-crowned Kinglet, 5; Common Starling, 280; House Sparrow, 2000; Rusty Blackbird, 30; Brown-headed Cowbird, 40; Cardinal, 67; Purple Finch, 16; Am. Goldfinch, 11; Eastern Towhee, 1; Slate-colored Junco, 44; Am. Tree Sparrow, 100; Swamp Sparrow, 1; Song Sparrow, 9; Lapland Longspur, 10. **Total,** 38 species; about 3364 individuals. (Turkey Vultures identified independently by 2 observers in different parties and by a third individual previous week.)—Susan Fels, S. C. Kendeigh (compiler), Jacquelin Luce, W. M. Luce, Clark Robinson, H. H. Shoemaker, G. C. West.

313. **Western Mercer County, Ill.** (15-mile diameter circle in western Mercer County including area bordering Mississippi River).—Jan. 1; 7 a.m. to 5 p.m. Cloudy; temp. 25° to 35°; wind SW, 8 m.p.h. Six observers in 2 parties. Total party-hours, 50 (13 on foot, 37 by car); total party-miles, 83 (23 on foot, 60 by car). Mallard, 11; Lesser Scaup, 3; Am. Golden-eye, 4; Hooded Merganser, 1; Am. Merganser, 2; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 5; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Bald Eagle, **51** [no details —Ed.]; Marsh Hawk, 3; Sparrow Hawk, 5; Bob-white, 17; **Wilson's Snipe, 2**; Herring Gull, 8; Ring-billed Gull, 1; Mourning Dove, 3; Screech Owl, 2; Horned Owl, 4; Barred Owl, 1; Long-eared Owl, 15; Belted Kingfisher, 3; Yellow-shafted Flicker, 9; Pileated Woodpecker, 5; Red-bellied Woodpecker, 11; Red-headed Woodpecker, 7; Hairy Woodpecker, 6; Downy Woodpecker, 29; Horned Lark, 13; Blue Jay, 43; Am. Crow, 194; Black-capped Chickadee, 80; Tufted Titmouse, 31; White-breasted Nuthatch, 36; Winter Wren, 2; Am. Robin, **106**; Cedar Waxwing, 655; Common Starling, 500; House Sparrow, 500; Red-winged Blackbird, 18; Rusty Blackbird, 59; Purple Grackle, 2; Cardinal, 187; **Common Redpoll,** 15; Am. Goldfinch, 79; Slate-colored Junco, 45; **Oregon Junco,** 1 [no details—Ed.]; Am. Tree Sparrow, 630; Song Sparrow, 2. **Total,** 50 species; about 3511 individuals. (Seen in area count period: Short-eared Owl, Loggerhead Shrike, Gray Shrike, Golden-crowned Kinglet, Goshawk, Eastern Meadowlark, Canvas-back, Red-breasted Merganser, Brown Creeper.)—May Greer, Richard M. Greer, Theodore R. Greer, Nellie Marsh, Marjie Trial, Robert J. Trial (compiler) (Mercer County Bird Club).

314. **Adams, Wis.** (7½-mile radius centering 1 mile south of Dellwood, east to Adams and Friendship, north to Petenwell Dam, west to Necedah, south to Castle Rock Dam; fields 30%, deciduous woods 40%, coniferous woods 5%, river bank 15%, marsh 10%).—Jan. 2; 6:30 a.m. to 5:30 p.m. Overcast, light snow a.m.; temp. 32° to 35°; wind slight; 2-in. snow, Wisconsin River open only below dams, creeks mostly open. Nine observers in 3 parties. Total party-hours, 29 (20 on foot, 9 by car); total party-miles, 288 (24 on foot, 264 by car). **Pied-billed Grebe,** 1; Great Blue Heron, 2; **Black-crowned Night Heron,** 1; Mallard, 300; Black Duck, 28; Lesser Scaup, 1; Am. Golden-eye, 90; Am. Merganser, 8; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Rough-legged Hawk, 3; Bald Eagle, 17; Ruffed Grouse, 18; Sharp-tailed Grouse, 1; Bob-white, 33; Am. Coot, 1; **Killdeer,** 1; Wilson's Snipe, 1; Horned Owl, **41 (special careful census)**; Barred Owl, 5; Long-eared Owl, 1; Belted Kingfisher, 2; Pileated Woodpecker, 5; Red-bellied Woodpecker, 8; Red-headed Woodpecker, 3; Hairy Woodpecker, 7; Downy Woodpecker, 18; Blue Jay, 166; Am. Crow, 291; Black-capped Chickadee, 45; White-breasted Nuthatch, 43; Brown Creeper, 1; Golden-crowned Kinglet, 4; Cedar Waxwing, 22; Gray Shrike, 6; Common Starling, 122; House Sparrow, 336; Cardinal, 39; Evening Grosbeak, 68; Purple Finch, 1; Pine Grosbeak, 17; **Hoary Redpoll, 5** (carefully identified); Common Redpoll, **2857**; Pine Siskin, 1; Am. Goldfinch, 675; Slate-colored Junco, 115; **Oregon Junco,** 1 (carefully identified); Am. Tree Sparrow, 155; Song Sparrow, 1; Snow Bunting, 2. **Total,** 51 species; about 5574 individuals.—Mr. and Mrs. N. R. Barger, G. W. Foster, John Holmes, Mr. and Mrs. Roy Lound, Mr. and Mrs. Gordon Orians, S. D. Robbins (compiler).

315. **Appleton, Wis.** (same area as last year).—Dec. 26; 7:30 a.m. to 5 p.m. Sun until noon; temp. 17° to 25°; wind NW to NE, 8-6 m.p.h.; river partly frozen, lake frozen except at river entrance, ground covered with ice and 1-5-in. crusted snow. Fourteen observers in 4 parties. Total party-hours, 25 (16 on foot, 9 by car); total party-miles, 85 (15 on foot, 70 by car). Black Duck, 522; Lesser Scaup, 8; Am. Golden-eye, 512; Am. Merganser, 22; Red-tailed Hawk, 2; Sparrow Hawk, 1; Ruffed Grouse, 1; European Partridge, 4; Ring-necked Pheasant, 2; Am. Coot, 1; Herring Gull, 12; Mourning Dove, 13; Long-eared Owl, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 9; Blue Jay, 30; Am. Crow, 20; Black-capped Chickadee, 22; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 1; Brown Creeper, 5; Brown Thrasher, 1; Am. Robin, 1; Common Starling, 143; House Sparrow, 610; Cardinal, 15; **Eastern Towhee,** 1 (well seen); Slate-colored Junco, 10; Am. Tree Sparrow, 14; White-throated Sparrow, 3; Song Sparrow, 1; Lapland Longspur, 2. **Total,** 33 species; about 2005 individuals. (Tufted Titmouse, Cedar Waxwing seen count period.)—Mrs. Andrew Berry, Mr. and Mrs. Lynn Cooper, Mr. and Mrs. Carroll McEthron, Cora Harvey, Mrs. Ronald Lipske, Gerald Mallmann, Mrs. T. E. Orbison, Mrs. Fred Poppe, Mrs. W. C. Rehbein, Mrs. Walter E Rogers (compiler), Mr. and Mrs. Dale Vawter (Appleton Audubon Society).

316. **Beloit, Wis.** (7½-mile radius centering in Beloit, including Big Hills Park, Hononegah Forest Preserve, Mack Town Forest Preserve, Turtle Creek east to Tiffany; deciduous forest 35%, pine plantings 30%, riverbottom forests 20%, farmland 10%, city parks and cemeteries 5%).—Dec. 26; 7:30 a.m. to 4:30 p.m. Partly cloudy; temp. 25° to 35°; wind NE, 2-10 m.p.h.; ground clear of snow, Rock River open, small streams covered with ice. Thirteen ob-

servers in 6 parties. Total party-hours, 39 (27½ on foot. 11½ by car); total party-miles, 205 (28 on foot, 177 by car). Mallard, 12; Am. Golden-eye, 28; Sharp-shinned Hawk, 2; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Rough-legged Hawk, 2; Marsh Hawk, 8; Sparrow Hawk, 2; European Partridge, 1; Ring-necked Pheasant, 5; Herring Gull, 4; Mourning Dove, 31; Barred Owl, 3; Long-eared Owl, 2; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 12; Red-headed Woodpecker, 6; **Yellow-bellied Sapsucker, 2**; Hairy Woodpecker, 7; Downy Woodpecker, 37; Blue Jay, 60; Am. Crow, 101; Black-capped Chickadee, 183; Tufted Titmouse, 34; White-breasted Nuthatch, 31; Red-breasted Nuthatch, 5; Brown Creeper, 3; Gray Shrike, 3; Common Starling, 275; House Sparrow, 311; Cardinal, 54; Purple Finch, 6; Am. Goldfinch, 16; Slate-colored Junco, 276; Am. Tree Sparrow, 257; Song Sparrow, 1. **Total,** 36 species; about 1788 individuals. (Seen in area count period: Screech Owl.)—Bernice Andrews, Charlotte Chamberlin, Roy Cole, David and Hazel Cox, Francis Glenn, E. A. Hepler, Harold Liebherr (compiler), Hildy Liebherr, Mr. and Mrs. Louis Mahlum, David Metzger, Ruth Metzger (Ned Hollister Bird Club).

317. **Chippewa Falls, Wis.** (same area as last year, Big Falls to Dells Pond to Chippewa Falls, perimeter of Lake Wissota).—Dec. 26; 7 a.m. to 5 p.m.; temp. 18° to 29°; wind E, 0-7 m.p.h.; 4-in. snow on ground. Two observers in one party. Total party-hours, 10 (4 on foot, 6 by car); total party-miles, 80 (5 on foot, 75 by car). Mallard, 4; scaup (sp.), 2; Am. Golden-eye, 800; Cooper's Hawk, 1; Red-tailed Hawk, 5; Ruffed Grouse, 6; Bob-white, 1; Ring-necked Pheasant, 1; Long-eared Owl, 4; Pileated Woodpecker, 2; Red-bellied Woodpecker, 2; Red-headed Woodpecker, **10**; Hairy Woodpecker, 2; Downy Woodpecker, 9; Blue Jay, 125; Am. Crow, 35; Black-capped Chickadee, 32; Tufted Titmouse, 1; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 1; Gray Shrike, 1; Common Starling, 128; House Sparrow, 432; **Western Meadowlark,** 1; **Red-winged Blackbird, 8**; Cardinal, 9; Evening Grosbeak, 5; Pine Grosbeak, 2; Common Redpoll, 6; Slate-colored Junco, 30; **Oregon Junco,** 1 (all field marks); Am. Tree Sparrow, 20. **Total,** 32 species; about 1695 individuals.—Charles A. Kemper (compiler), Cy Lamb.

318. **Hales Corners, Wis.** (7½-mile radius centering at Puetz Road and U. S. Highway 41; Lake Michigan shore 10%, parks 40%, open fields 30%, marsh 5%, shrubby fields 15%).—Dec. 27; 7 a.m. to 5 p.m. Overcast; temp. 25° to 35°; wind SE, 5-20 m.p.h.; ground frozen, traces of old snow, Lake Michigan open, parts of streams open. Five observers in 1 party. Total party-hours, 10 (3 on foot, 7 by car); total party-miles, 150 (10 on foot, 140 by car). Mallard, 15; Black Duck, 20; Greater Scaup, 35; Am. Golden-eye, 1200; Buffle-head, 8; Old-squaw, 400; Am. Merganser, 2000; Red-breasted Merganser, 1100; Cooper's Hawk, 1; Red-tailed Hawk, 6; Sparrow Hawk, 4; Ring-necked Pheasant, 11; Herring Gull, 9000; Ring-billed Gull, 500; Bonaparte's Gull, 6; Long-eared Owl, 1; Belted Kingfisher, 1; Hairy Woodpecker, 1; Downy Woodpecker, 4; Blue Jay, 8; Am. Crow, 400; Black-capped Chickadee, 28; White-breasted Nuthatch, 1; Am. Robin, 7; Golden-crowned Kinglet, 2; Cedar Waxwing, 24; Gray Shrike, 2; Common Starling, 138; House Sparrow, 450; Cardinal, 3; Common Redpoll, 19; Pine Siskin, 50; Am. Goldfinch, 2; Slate-colored Junco, 6; Am. Tree Sparrow, 112; Song Sparrow, 1. **Total,** 36 species; about 15,566 individuals.—Ivy Balsom, Lisa Decker, Mary Donald (compiler), Nila O'Hearn, Karl Priebe.

319. **Jefferson, Wis.** (15-mile diameter circle in southeastern Jefferson County with center in middle of Section 22, Hebron township; open farmland 60%, marsh and swamp 15%, woodlots 15%, river and creekbottoms 5%, cities, towns and cemeteries 5%).—Dec. 26; 7:30 a.m. to 4:30 p.m. Overcast; temp. 22° to 30°; wind NE, 5 m.p.h.; ground mostly bare, lakes and ponds frozen, rivers and creeks mostly frozen. Two observers in 1 party. Total party-hours, 9 (2 on foot, 7 by car); total party-miles, 79 (3 on foot, 76 by car). Mallard, 60; Black Duck, 20; Cooper's Hawk, 1; Red-tailed Hawk, 21; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 2; Bob-white, 12; Ring-necked Pheasant, 3; Mourning Dove, 10; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Red-headed Woodpecker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 4; Blue Jay, 9; Am. Crow, 26; Black-capped Chickadee, 12; White-breasted Nuthatch, 10; Gray Shrike, 1; Common Starling, 202; House Sparrow, 318; Cardinal, 1; Am. Goldfinch, 43; Slate-colored Junco, 42; Am. Tree Sparrow, 97; Song Sparrow, 2. **Total,** 27 species; about 906 individuals.—Lois Dahlstrand, Nils P. Dahlstrand (compiler).

320. **Lake Geneva, Wis.** (same area as previous years, but adding Tamarack bog 3 miles east).—Jan. 2; 7 a.m. to 4:30 p.m. Light snow and drizzle most of day; temp. 32° to 40°; wind SE, 15-20 m.p.h.; lake open in center and at southwest end, rivers and springs open. Eight observers in 3 parties. Total party-hours, 12¾ (11¼ on foot, 1½ by car); total party-miles, 50 (14 on foot, 36 by car). Great Blue Heron, 1; Canada Goose, 1000+; Mallard, 1000+; Black Duck, 500; Ring-necked Duck, 5; Canvas-back, 40; Lesser Scaup, 4; Am. Golden-eye, 25; Buffle-head, 1; Ruddy Duck, 3; Hooded Merganser, 22; Am. Merganser, 3; Red-breasted Merganser, 3; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Rough-legged Hawk, 5; Marsh Hawk, 1; Ring-necked Pheasant, 4; Am. Coot, 92; Herring Gull, 44; Long-eared Owl, 2; Belted Kingfisher, 3; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 5; Hairy Woodpecker, 2; Downy Woodpecker, 5; Blue Jay, 11; Am. Crow, 17; Black-capped Chickadee, 12; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 1; Am. Robin, 22; Cedar Waxwing, 30; Common Starling, 12; House Sparrow, 30; meadowlark (sp.), 2; Cardinal, 5; Evening Grosbeak, 6; Purple Finch, 1; Common Redpoll, 42; Am. Goldfinch, 2; Slate-colored Junco, 2; Am. Tree Sparrow, 152; White-throated Sparrow, 1; Song Sparrow, 5. **Total,** 45 species; about 3137 in-

dividuals. (Six Long-eared Owls and 1 Saw-whet Owl found shot. Seen in area count week: Mourning Dove, Brown Creeper, Red-winged Blackbird.)—Earl Anderson, Karl E. Bartel (compiler), Margaret Lehmann, Ken Mertz, Alfred Reuss, Clarence Palmquist, Robert Palmquist, Ronald Palmquist.

321. **Madison, Wis.** (7½-mile radius centered on State Capitol as in prior years).—Dec. 26; 5 a.m. to 5 p.m. Overcast; temp. 26° to 30°; wind SW, 0-5 m.p.h.; ground generally bare of snow, lakes frozen, Yahara River and few springs open. Thirty-five observers in 13 parties. Total party-hours, 79 (60 on foot, 19 by car); total party-miles, 532 (47 on foot, 485 by car). **Horned Grebe,** 1; **Pied-billed Grebe,** 1; Mallard, 1092; Black Duck, 809; Canvas-back, 34; Lesser Scaup, 7; Am. Golden-eye, 27; Buffle-head, 1; Ruddy Duck, 1; Hooded Merganser, 2; Am. Merganser, 10; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 37; Red-shouldered Hawk, 3; Rough-legged Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 6; Ring-necked Pheasant, 82; Am. Coot, 19; Mourning Dove, 47; Screech Owl, 5; Horned Owl, 3; Barred Owl, 3; Long-eared Owl, 13; Short-eared Owl, 2; Belted Kingfisher, 5; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 5; Red-headed Woodpecker, 5; **Yellow-bellied Sapsucker,** 1 (regular at feeder); Hairy Woodpecker, 30; Downy Woodpecker, 98; Horned Lark, 55; Blue Jay, 76; Am. Crow, 4000; Black-capped Chickadee, 222; Tufted Titmouse, 5; White-breasted Nuthatch, 93; Red-breasted Nuthatch, 3; Brown Creeper, 36; **Carolina Wren,** 1 (present all fall); Am. Robin, 58; Golden-crowned Kinglet, 3; Cedar Waxwing, 94; Common Starling, 1310; House Sparrow, 2180; Eastern Meadowlark, 11; Red-winged Blackbird, 548; Purple Grackle, 16; Cardinal, 139; Evening Grosbeak, 39; Purple Finch, 45; Pine Grosbeak, 7; **Hoary Redpoll,** 5 (carefully identified); Common Redpoll, 170; Pine Siskin, 58; Am. Goldfinch, 166; **Red Crossbill,** 2; **White-winged Crossbill,** 1; **Eastern Towhee,** 1; Slate-colored Junco, 385; **Oregon Junco,** 1; Am. Tree Sparrow, 826; White-throated Sparrow, 5; Song Sparrow, 9; Lapland Longspur, 725; Snow Bunting, 2; unidentified birds, 182. **Total,** 68 species; about 13,836 individuals. (Seen in area count period: Herring Gull, Saw-whet Owl, Rusty Blackbird.)—Mrs. Florence Anderson, Thomas Ashman, Mr. and Mrs. N. R. Barger, Ruby Bere, Betty Bleck, John Emlen, Steve Emlen, Mr. and Mrs. Al Eynon, G. W. Foster, Jr., Dr. and Mrs. Joseph J. Hickey, Ellen Hoffman, Alan Keitt, Frank Kuhlman, Mr. and Mrs. Roy Lound, Robert McCabe, Carl Newton, Mr. and Mrs. Gordon Orians, H. L. Orians, William Roark, Samuel Robbins, Gwen Smith, Ruth Stillman, Jen Yu Wang, J. G. Waddell, Fred Wagner, Josephine Walker, Mrs. R. A. Walker (compiler), Alden and Ray White, Richard Wills.

322. **Mazomanie, Wis.** (south side of Wisconsin River between Mazomanie and Sauk City, north side between Prairie du Sac and Ferry Bluff; wooded bottomland 40%, marsh 30%, open fields 10%, river bank 10%, farmyards 5%, residential 5%).—Dec. 27; 6 a.m. to 4 p.m. Cloudy; temp. 12° to 36°; wind S, 10 m.p.h.; ground mostly bare, Wisconsin River mostly open, creeks open. Five observers in 1 party. Total party-hours, 10 (8 on foot, 2 by car); total party-miles, 48 (6 on foot, 42 by car). Mallard, 1; Black Duck, 1; Canvas-back, 4; Am. Golden-eye, 69; Red-breasted Merganser, 1; Cooper's Hawk, 2; Red-tailed Hawk, 8; Red-shouldered Hawk, 3; Bald Eagle, 13; Marsh Hawk, 1; Ruffed Grouse, 1; Ring-necked Pheasant, 3; Wilson's Snipe, 3; Herring Gull, 19; Screech Owl, 2; Horned Owl, 2; Belted Kingfisher, 1; Pileated Woodpecker, 2; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 11; Horned Lark, 1; Blue Jay, 71; Am. Crow, 131; Black-capped Chickadee, 23; Tufted Titmouse, 3; White-breasted Nuthatch, 8; Brown Creeper, 2; Am. Robin, 3; Cedar Waxwing, 53; Gray Shrike, 1; Common Starling, 78; House Sparrow, 465; Red-winged Blackbird, 6; Cardinal, 29; Purple Finch, 20; Pine Grosbeak, 5; Common Redpoll, 30; Pine Siskin, 1; Am. Goldfinch, 185; Slate-colored Junco, 31; Am. Tree Sparrow, 67; Lapland Longspur, 14; Snow Bunting, 48. **Total,** 45 species; about 1433 individuals.—N. R. Barger, Alan Keitt, Mr. and Mrs. Gordon Orians, S. D. Robbins (compiler).

323. **Milwaukee, Wis.** (7½-mile radius centering at Hampton Avenue and Port Washington Road; Lake Michigan 20%, parks and residential 60%, open fields 10%, shrubby fields 10%).—Jan. 2; 7 a.m. to 5 p.m. Drizzle all day; temp. 35° to 39°; wind SE, 10-20 m.p.h.; ground frozen but wet on top, traces of old snow, Lake Michigan open with considerable ice chunks. Twenty-seven observers in 6 parties. Total party-hours, 42 (20 on foot, 22 by car); total party-miles, 190 (20 on foot, 170 by car). Red-throated Loon, 8; Snow Goose, 1; Blue Goose, 1; Mallard, 4299; Black Duck, 244; Gadwall, 1; Am. Widgeon, 1; Pintail, 4; Canvas-back, 30; Greater Scaup, 1913; Am. Golden-eye, 1090; Bufflehead, 298; Old-squaw, 3; White-winged Scoter, 13; Hooded Merganser, 3; Am. Merganser, 10,168; Red-breasted Merganser, 380; Cooper's Hawk, 1; Red-tailed Hawk, 10; Red-shouldered Hawk, 1; Rough-legged Hawk, 7; Pigeon Hawk, 1 [no details—Ed.]; Sparrow Hawk, 13; European Partridge, 8; Ring-necked Pheasant, 32; Herring Gull, 13,251; Ring-billed Gull, 807; Mourning Dove, 41; Screech Owl, 3; Horned Owl, 2; Snowy Owl, 1; Long-eared Owl, 11; Short-eared Owl, 4; Belted Kingfisher, 2; Yellow-shafted Flicker, 2; Hairy Woodpecker, 7; Downy Woodpecker, 22; Blue Jay, 21; Am. Crow, 140; Black-capped Chickadee, 96; White-breasted Nuthatch, 16; Red-breasted Nuthatch, 3; Am. Robin, 11; Cedar Waxwing, 8; Gray Shrike, 4; Common Starling, 445; House Sparrow, 3053; Red-winged Blackbird, 1; Rusty Blackbird, 2; Cardinal, 36; Evening Grosbeak, 1; Purple Finch, 25; Pine Grosbeak, 2; Pine Siskin, 6; Am. Goldfinch, 31; Slate-colored Junco, 223; Am. Tree Sparrow, 101; White-throated Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 1. **Total,** 60 species; about 36,911 individuals. (Seen count period: Redhead, Shoveller, Am. Coot, Com-

mon Redpoll, Bonaparte's Gull.)—M. Allen, I. Balsom, H. Bauers, V. Becker, Mr. and Mrs. A. Bromm, M. Campbell, L. Decker, M. Donald (compiler), Mr. and Mrs. C. Frister, A. Hehn, R. Jankowski, D. Larkin, L. Logeman, Mr. and Mrs. V. Lynagh, N. O'Hearn. K. Priebe, A. Prucha, A. Shaffer, A. Simmons, H. Stoll, P. Thompson, A. Throne, J. Vallier, J. Vogelsang.

324. Racine, Wis. (7½-mile radius centering on North Shore RR Station; lake shore 15%, farm-roadside 60%, riverbottom 7%, urban 8%, brush 10%).—Dec. 28; 7:15 a.m. to 4:45 p.m. Partly cloudy to overcast; temp. 20° to 30°; wind SE, 5-15 m.p.h.; Lake Michigan open, Root River 90% frozen, isolated snow patches. Five observers, 2 in 2 parties, 3 at feeding stations. Total party-hours, 10 (5 on foot, 5 by car); total party-miles, 88 (10 on foot, 78 by car). Mallard, 1; Black Duck, 25; Redhead, 1; Am. Golden-eye, 1665; Buffle-head, 1; Old-squaw, 13; Am. Merganser, 417; duck (sp.), 1000; Cooper's Hawk, 1; Ring-necked Pheasant, 1; Herring Gull, 3448; Ring-billed Gull, 1; Bonaparte's Gull, 150; Black-capped Chickadee, 11; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 1; Common Starling, 104; House Sparrow, 100; Slate-colored Junco, 43; Am. Tree Sparrow, 10. **Total,** 19 species; about 6994 individuals. (Seen in area count period: Purple Grackle, Blue Jay. Found dead day of count: Old-squaw, Ruffed Grouse, Herring Gull.)—Ellen Keefe, Henry S. Keefe, Cecilia T. Whelan, Jean Whelan, Mary-Elizabeth Whelan (compiler).

325. Seneca, Wis. (same area as last year.)—Dec. 26; 7:15 a.m. to 4:30 p.m. Overcast, clearing at noon; temp. 28° to 35°; wind NW, 0-5 m.p.h.; ground with 4-in. snow, river and streams partly frozen. One observer. Total hours, 9¼ (8 on foot, 1¼ by car); total miles, 42 (8 on foot, 34 by car). Red-tailed Hawk, 2; Bald Eagle, 6; Barred Owl, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 2; Red-bellied Woodpecker, 5; Red-headed Woodpecker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 6; Blue Jay, 12; Am. Crow, 3; Black-capped Chickadee, 13; Tufted Titmouse, 6; White-breasted Nuthatch, 14; Brown Creeper, 1; Am. Robin, 1; **Hermit Thrush,** 1 (carefully studied); Common Starling, 28; House Sparrow, 62; Cardinal, 14; Am. Goldfinch, 9; Slate-colored Junco, 11; Am. Tree Sparrow, 54. **Total,** 23 species; 255 individuals.—Clarence Paulson.

326. Waukesha, Wis. (15-mile diameter, including Waukesha parks, Kettle Moraine State Forest, Fox River valley to Mukwonago Marsh, Saylesville, Mukwonago, south shore of Pewaukee Lake, Dousman; open farmlands 45%, deciduous farm woodlots 36%, Tamarack swamp 4%, grassy marsh 14%, parks and coniferous plantings 1%).—Dec. 26; 7 a.m. to 5 p.m.; temp. 21° to 30°; wind ENE, 5 m.p.h.; ground bare, lakes and ponds frozen, small streams partly open. Eighteen observers in 9 parties. Total party-hours, 69 (40 on foot, 29 by car); total party-miles, 455 (48 on foot, 407 by car). Mallard, 25; Black Duck, 59; Lesser Scaup, 2; Am. Golden-eye, 1; Cooper's Hawk, 2; Red-tailed Hawk, 23; Red-shouldered Hawk, 1; Rough-legged Hawk, 4; European Partridge, 11; Ring-necked Pheasant, 7; Wilson's Snipe, 2; Herring Gull, 7; Ring-billed Gull, 2; Mourning Dove, 10; Screech Owl, 1; Horned Owl, 4; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Red-headed Woodpecker, 6; Hairy Woodpecker, 11; Downy Woodpecker, 53; Horned Lark, 10; Blue Jay, 92; Am. Crow, 431; Black-capped Chickadee, 100; White-breasted Nuthatch, 22; Red-breasted Nuthatch, 1; Brown Creeper, 4; Am. Robin, 5; Golden-crowned Kinglet, 3; Common Starling, 635; Gray Shrike, 9; House Sparrow, 1565; Eastern Meadowlark, 1; Red-winged Blackbird, 24; Cardinal, 21; Evening Grosbeak, 60; Purple Finch, 13; Common Redpoll, 949; Pine Siskin, 3; Am. Goldfinch, 339; Red Crossbill, 7; White-winged Crossbill, 2; Slate-colored Junco, 218; **Oregon Junco,** 1 (carefully identified); Am. Tree Sparrow, 850; White-throated Sparrow, 1; Fox Sparrow, 1; Song Sparrow, 2; Lapland Longspur, 3; Snow Bunting, 56. **Total,** 51 species; about 5662 individuals.—Robert Adams (compiler), Fred Alyea, Clarence Anthes, Vince Batha, Les Compton, Olive Compton, Richard Gerstner, Emma Hoffman, Paul G. Hoffman, Al Johnson, S. Paul Jones, Charles E. Nelson, Mary Nelson, Herman Schaars, Charles Sontag, Tom Soulen, Peter Weber, Ernest Zimmerman.

327. Wisconsin Dells, Wis. (Lake Delton, Wisconsin Dells, both sides of Wisconsin River north to Highway 82; open fields 35%, deciduous farm woodlots 35%, wooded bottomland 25%, residential 5%).—Dec. 31; 6:30 a.m. to 3:30 p.m. Clear; temp. 8° to 30°; wind S, 5 m.p.h.; 1-in. crusted snow, Wisconsin River and creeks partly open. Two observers in 1 party. Total party-hours, 9 (3 on foot, 6 by car); total party-miles, 87 (1 on foot, 86 by car). Mallard, 9; Black Duck, 1; Green-winged Teal, 2; Am. Golden-eye, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Ruffed Grouse, 1; Mourning Dove, 1; Horned Owl, 8; Barred Owl, 1; Long-eared Owl, 1; Pileated Woodpecker, 3; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 5; Blue Jay, 74; Am. Crow, 102; Black-capped Chickadee, 21; Tufted Titmouse, 2; White-breasted Nuthatch, 25; Brown Creeper, 1; Am. Robin, 1; Gray Shrike, 1; Common Starling, 6; House Sparrow, 160; Cardinal, 11; Evening Grosbeak, 48; Pine Grosbeak, 5; **Hoary Redpoll,** 1 (carefully checked); Common Redpoll, 210; Am. Goldfinch, 100; Slate-colored Junco, 64; Am. Tree Sparrow, 75; Snow Bunting. 1. **Total,** 36 species; about 954 individuals.—J. P. Holmes, S. D. Robbins (compiler).

328. Cedar Creek Bog, Minn. (4 square miles of Cedar Creek Game Refuge, Anoka County, also land adjacent to road leading to area for 11 miles; open farmland 14%, White Pine and hardwoods 45%, White Cedar, Tamarack and alder 40%, cattail marsh 1%).—Dec. 26; 8 a.m. to 4 p.m. Partly cloudy; temp. 30° to 35°; no wind; ground covered with 2-3-ft. snow, fresh water frozen. Ten observers in

5 parties. Goshawk, 2; Ruffed Grouse, 15; Ring-necked Pheasant, 3; Horned Owl, 4; Pileated Woodpecker, 4; Red-headed Woodpecker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 5; Blue Jay, 38; Am. Crow, 7; Black-capped Chickadee, 29; White-breasted Nuthatch, 13; Gray Shrike, 1; Pine Grosbeak, 34; Common Redpoll, 273; Slate-colored Junco, 15; Am. Tree Sparrow, 16. **Total,** 17 species; 464 individuals. —Minnesota Bird Club, Beth Doeringsfeld (compiler).

329. **Duluth, Minn.** (Lake Superior shoreline, Fond Du Lac to Knife River, Duluth, Minnesota Point; city parks 10%, sand dunes 5%, streets, highways and inland 85%).—Jan. 2; 8 a.m. to 4 p.m. Cloudy; temp. 22° to 30°; wind calm; 16-20-in. snow in forest. Fourteen observers in 10 parties. Total party-hours, 60 (45 on foot, 15 by car); total party-miles, 150 (40 on foot, 110 by car). Mallard, 1; Am. Golden-eye, 177; Buffle-head, 2; Old-squaw, 397; Red-breasted Merganser, 2; Rough-legged Hawk, 1; Ruffed Grouse, 2; Ring-necked Pheasant, 1; Glaucous Gull, 1; Herring Gull, 1046; Ring-billed Gull, 1; Barred Owl, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 9; Downy Woodpecker, 36; Gray Jay, 1; Blue Jay, 21; Common Raven, 4; Am. Crow, 2; Black-capped Chickadee, 161; Brown-capped Chickadee, 1; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 24; Bohemian Waxwing, 14; Gray Shrike, 1; Common Starling, 337; House Sparrow, 107; Purple Grackle, 3; Evening Grosbeak, 42; Pine Grosbeak, 51; Common Redpoll, 7; Pine Siskin, 6; Red Crossbill, 9; Slate-colored Junco, 1; White-throated Sparrow, 2; Snow Bunting, 28. **Total,** 36 species; about 2503 individuals.—Joe Antonio, Joe Bronoel, Margaret Brown, Robert Cohen, Dick Evans, Flora Evans, O. A. Finseth (compiler), Henry Gilbert, Lloyd Hackl, John Hale, P. B. Hofslund, Catherine Lieske, Evelyn Palmer, Mrs. Pappas.

330. **Excelsior, Minn.** (7½-mile radius centering 1 mile southeast of Chanhassen, including areas about Lake Minnetonka, Glen Lake, Minnesota River, Christmas Lake; pasture and open fields 40%, deciduous woodland and planted evergreens 30%, open water 1%, ravines and frozen river, lake, marsh 29%). —Dec. 26; 7:30 a.m. to 4 p.m. Cloudy; temp. 20° to 30°; wind SE, 8-13 m.p.h.; 6-8-in. old snow, 1-2-in. fresh snow, only open water in small creeks. Thirteen observers in 5 parties. Total party-hours, 34 (13 on foot, 21 by car); total party-miles, 302 (12 on foot, 290 by car). Mallard, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Sparrow Hawk, 2; Ring-necked Pheasant, 58; Mourning Dove, 3; Screech Owl, 2; Horned Owl, 2; Barred Owl, 2; Belted Kingfisher, 1; Pileated Woodpecker, 5; Red-bellied Woodpecker, 8; Hairy Woodpecker, 35; Downy Woodpecker, 46; Horned Lark, 1; Blue Jay, 80; Am. Crow, 8; Black-capped Chickadee, 126; White-breasted Nuthatch, 69; Brown Creeper, 3; Gray Shrike, 2; Common Starling, 85; House Sparrow, 3000+; Red-winged Blackbird, 24; Rusty Blackbird, 1; Cardinal, 36; Purple Finch, 53; Common Redpoll, 2; Am. Goldfinch, 67; Slate-colored Junco, 190; Oregon Junco, 3; Am. Tree Sparrow, 46; **Harris's Sparrow,** 1 (at feeder, carefully studied by many observers); **White-throated Sparrow,** 1 (at feeder); Song Sparrow, 1; Snow Bunting, 82. **Total,** 37 species; over 4049 individuals. (Seen in area count period: Cedar Waxwing, Am. Robin.)—Lester R. Badger, Mrs. C. M. Case, Charlotte A. DuBois (compiler), Mrs. Ray Fuller, Mr. and Mrs. M. E. Herz, Mike Herz, Mrs. Paul Kingsley, Horace Scott, John Scott, Mr. and Mrs. Philip D. Tryon, J. W. Wilkie.

331. **Grand Marais, Minn.** (7½-mile radius as described in 1953).—Dec. 28; 8 a.m. to 5:30 p.m. Blizzard; temp. 27° to 4°; wind NE, 10-15 m.p.h.; ground covered with 4-6-in. snow, 6-12-in. new snow during day, bays open but containing pack ice. Five observers in 1 party. Total party-hours 9 (2 on foot, 7 by car); total party-miles, 59 (4 on foot, 55 by car). **Ring-necked Duck, 3;** Am. Golden-eye, 30; Buffle-head, 4; Old-squaw, 22; Herring Gull, 190; Hairy Woodpecker, 3; Downy Woodpecker, 5; Blue Jay, 7; Common Raven, 1; Black-capped Chickadee, 6; **House Sparrow, 6**; Slate-colored Junco, 4; Am. Tree Sparrow, 2. **Total,** 13 species; 283 individuals. (Seen in area count period: Pileated Woodpecker, Purple Grackle, Red-breasted Nuthatch, Starling, Common Redpoll, Snow Bunting.)—Bob Brooks, Bob Hanlon (compiler), George Palmer, Larry Pringle, Alan Witter.

332. **Minneapolis, Minn.** (area 5 miles wide from intersection of Minnehaha Parkway and Lyndale Avenue south across Minnesota River, both sides of river to Savage and Auto Club, including Lake Nokomis, Bloomington; open country and marshes 75%, lakes and river 15%, residential 10%).—Dec. 27; 8 a.m. to 4 p.m.; temp. 26° to 35°; wind SE, 31 m.p.h.; ground snow-covered. Two observers in 1 party. Total party-hours, 8 (2 on foot, 6 by car); total party-miles, 103 (5 on foot, 98 by car). Mallard, 5; Black Duck, 1; Ring-necked Pheasant, 46; Wilson's Snipe, 2; Pileated Woodpecker, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 3; Blue Jay, 9; Am. Crow, 11; Black-capped Chickadee, 18; White-breasted Nuthatch, 7; **Mockingbird,** 1; Am. Robin, 1; Common Starling, 26; House Sparrow, 400; Red-winged Blackbird, 2; Rusty Blackbird, 6; Cardinal, 4; Purple Finch, 9; Common Redpoll, 26; Am. Goldfinch, 11; Slate-colored Junco, 31; Am. Tree Sparrow, 213. **Total,** 24 species; about 835 individuals.—Dorothy Legg, Mary Lupient (compiler).

333. **Minneapolis (north), Minn.** (7½-mile radius from Camden Park to Anoka on both sides of Mississippi River; open farmland 55%, town suburbs 25%, deciduous farm woodlots 15%, deciduous river banks and valleys 2%, marshes and sloughs 2%, sand dunes 1%).—Dec. 31; 8 a.m. to 5 p.m. Clear; temp. 12° to 24°; wind S, 10 m.p.h.; 12-in. snow, Rice Creek had open water, Mississippi River open in spots below Coon Creek Dam. Eight observers in 4 parties. Total party-hours, 20 (5 on foot, 15 by

car); total party-miles, 173 (7 on foot, 166 by car). Mallard, 6; Black Duck, 1; Am. Golden-eye, 178; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 203; Horned Owl, 1; Snowy Owl, 1; Belted Kingfisher, 1; Red-headed Woodpecker ,1; Hairy Woodpecker, 4; Downy Woodpecker, 12; Blue Jay, 117; Am. Crow, 59; Black-capped Chickadee, 28; White-breasted Nuthatch, 15; Cedar Waxwing, 15; Common Starling, 114; House Sparrow, 263; Cardinal, 7; Purple Finch, 5; Common Redpoll, 230; Am. Goldfinch, 8; Slate-colored Junco, 78; Am. Tree Sparrow, 146. **Total,** 26 species; about 1496 individuals.—Lewis L. Barrett, Ruth Hopkins, Ruth Lender, Boyd M. Lien (compiler), Mrs. Boyd M. Lien, Charles F. Wright, Kris Wright, Gavin Wright (Minneapolis Bird Club).

334. **Minneapolis (west), Minn.** (7½-mile radius centering on Minneapolis Golf Course, extending to junction of Highways 55 and 101, Robbinsdale, Edina, Hopkins, including Theodore Wirth Park and Roberts Bird Sanctuary; town suburbs 45%, open farmland 25%, deciduous woodlots 17%, lakes, marshes, and creeks 8%, city park and golf course 5%).—Jan. 2; 8 a.m. to 5 p.m. Cloudy; temp. 24° to 29°; wind WSW, 6-12 m.p.h.; very light snow a.m., 10-in. old snow on ground, portion of Miss. River open. Fourteen observers in 6 parties. Total party-hours, 41 (14 on foot, 27 by car); total party-miles, 274 (28 on foot, 246 by car). Mallard, 74; Shoveller, 1; Am. Golden-eye, 72; Sparrow Hawk, 1; Ring-necked Pheasant, 481; Horned Owl, 2; Pileated Woodpecker, 1; Red-headed Woodpecker, 1; Hairy Woodpecker, 17; Downy Woodpecker, 31; Blue Jay, 295; Am. Crow, 39; Black-capped Chickadee, 180; Tufted Titmouse, 1; White-breasted Nuthatch, 82; Brown Creeper, 3; Am. Robin, 2; Bohemian Waxwing, 1; Cedar Waxwing, 94; Gray Shrike, 1; Common Starling, 250; House Sparrow, 4591; Red-winged Blackbird, 2; Cardinal, 21; Purple Finch, 47; Common Redpoll, 37; Am. Goldfinch, 90; Slate-colored Junco, 115; **Oregon Junco,** 1; Am. Tree Sparrow, 62; Snow Bunting, 253. **Total,** 31 species; about 6848 individuals.—Jeremy Berman, Delwin Cahoon, Kathie Dean, Mr. and Mrs. G. F. Fisher, J. S. Futcher (compiler), Ray Glassel, Burton Guttman, Elizabeth Jerabek, Norrie Jones, William Nelson, William R. Pieper, Charles F. Wright, Kris Wright (Avifaunal Club).

335. **Northfield, Minn.** (area same as last year).—Dec. 26; 8 a.m. to 4:30 p.m. Cloudy; temp. 19° to 30°; wind SW, 2-4 m.p.h.; ground with 4-6-in. snow, Cannon River open, other water areas frozen. Four observers in 1 party. Total party-hours, 8 (3 on foot, 5 by car); total party-miles, 40 (10 on foot, 30 by car). Red-shouldered Hawk, 3; Rough-legged Hawk, 2; Sparrow Hawk, 1; Ring-necked Pheasant, 17; Mourning Dove, 38; Horned Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 20; Blue Jay, 8; Am. Crow, 25; Black-capped Chickadee, 12; White-breasted Nuthatch, 12; Am. Robin, 9; Common Starling, 75+; House Sparrow, 100+; Cardinal, 12; Purple Finch, 4; Am. Goldfinch, 10; Slate-colored Junco, 25; Am. Tree Sparrow, 6; Song Sparrow, 3. **Total,** 23 species; more than 386 individuals.—Robert Hanlon, George Palmer, Orwin A. Rustad (compiler).

336. **St. Louis Park, Minn.** (¾-mile radius centering at Meadowbrook Club House; golf course 42%, oaks 40%, cattail marsh 15%, brushy field 3%).—Dec. 31; 8 a.m. to 4:30 p.m. Clear; temp. 10° to 22°; wind SSW, 0-10 m.p.h.; 3-6-in. snow, water frozen. One observer. Total hours, 8½; total miles, 9 (all on foot). Ring-necked Pheasant, 14; Red-bellied Woodpecker, 3; Hairy Woodpecker, 4; Downy Woodpecker, 3; Blue Jay, 17; Am. Crow, 1; Black-capped Chickadee, 10; White-breasted Nuthatch, 8; Common Starling, 6; Purple Finch, 1; Am. Goldfinch, 1; Slate-colored Junco, 2; Am. Tree Sparrow, 3. **Total,** 13 species; 73 individuals.—David Herzog.

337. **St. Paul (north), Minn.** (same area as last year; pine forest 30%, Tamarack 5%, spruce, cedar and mixed thickets 5%, open fields 25%, deciduous woods 10%, marshes 15%, farm woodlots 10%).—Dec. 27; 8:30 a.m. to 4:30 p.m. Cloudy; temp. 24° to 35°; wind SE, 20-25 m.p.h.; 12-in. snow in woods, lakes frozen, canals and streams open. Nine observers in 2 parties. Total party-hours, 16 (11 on foot, 5 by car); total party-miles, 42 (12 on foot, 30 by car). Mallard, 24; Canvas-back, 1; Am. Golden-eye, 34; Hooded Merganser, 1; Cooper's Hawk, 1; Red-tailed Hawk, 3; Ruffed Grouse, 1; Ring-necked Pheasant, 45; Snowy Owl, 1; Barred Owl, 1; Hairy Woodpecker, 1; Downy Woodpecker, 11; Blue Jay, 45; Am. Crow, 101; Black-capped Chickadee, 51; Tufted Titmouse, 3; White-breasted Nuthatch, 14; Red-breasted Nuthatch, 3; Brown Creeper, 1; Am. Robin, 2; Gray Shrike, 2; Common Starling, 300; House Sparrow, 55; Cardinal, 5; Purple Finch, 43; Pine Grosbeak, 15; Common Redpoll, 40; Am. Goldfinch, 75; Slate-colored Junco, 65; Am. Tree Sparrow, 20; Song Sparrow, 1. **Total,** 31 species; about 965 individuals.—Patrick Boland, Michael Champlin, John Groet, Richard Huberty, Frank Kelly, Larry McEvoy (compiler), Dave Merry, Mrs. W. C. Olin, Brother Pius (St. Paul Audubon Society).

338. **Sherburn, Minn.** (7½-mile radius centering on Main and Manyaska Sts., north to Elm Creek, east and south to Fox Lake; pasture 25%, plowed fields 25%, swamps and marshes 10%, lake shore 10%, miscellaneous 30%).—Dec. 25; 7:30 a.m. to 5 p.m. Overcast; temp. 6° to 14°; wind NW, 10 m.p.h.; ground with 4-in. crusted snow. Five observers in 2 parties. Total party-hours, 20 (5 on foot, 15 by car); total party-miles, 20 (5 on foot, 15 by car). Red-tailed Hawk, 2; Marsh Hawk, 1; European Partridge, 9; Ring-necked Pheasant, 276; Red-bellied Woodpecker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 8; Horned Lark, 15; Blue Jay, 8; Am. Crow, 26; Black-capped Chickadee, 14; White-breasted Nuthatch, 4; Brown Creeper, 5; Am. Robin, 1; Common Starling, 48; House Sparrow, 24; Purple

Grackle, 1; Cardinal, 2; Slate-colored Junco, 8; **Oregon Junco**, 2; Am. Tree Sparrow, 16; Snow Bunting, 27. **Total**, 22 species; 522 individuals.—Mrs. H. O. Johnson, Malcolm Johnson, Robert Johnson, William R. Luwe (compiler), Mrs. William R. Luwe.

339. **Walker, Minn.** (same area as last year).—Dec. 26; 8 a.m. to 4 p.m. Cloudy, heavy hoarfrost; temp. 15° to 23°; wind S, 5 m.p.h.; lakes frozen, few streams open, 15-20-in. snow. Four observers in 1 party. Total party-hours, 8 (3 on foot, 5 by car); total party-miles, 52 (2 on foot, 50 by car). Ruffed Grouse, 8; Long-eared Owl, 2; Pileated Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 7; Horned Lark, 1; Blue Jay, 30; Black-capped Chickadee, 42; Brown-capped Chickadee, 1; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 2; Brown Creeper, 1; Gray Shrike, 1; Common Starling, 7; House Sparrow, 60; Evening Grosbeak, 149; Pine Grosbeak, 18; Common Redpoll, 155; Red Crossbill, 2; Slate-colored Junco, 9; Snow Bunting, 2. **Total**, 21 species; about 510 individuals.—Mr. and Mrs. Paul Becker, Harold R. Hanson (compiler), Stanton Oman.

340. **Cedar Falls, Iowa** (Snag Creek, Beaver Creek, Union Bridge, Josh Higgins Park, Hartman Reserve, Black Hawk Creek; riverbottom forest 50%, upland forest 15%, savannahs 10%, fields and prairies 25%).—Jan. 2; 8 a.m. to 5 p.m. Cloudy; temp. 30° to 36°; no wind; up to 6-in. snow in protected areas, rivers mostly frozen, ponds completely frozen. Four observers in 1 party. Total party-hours, 8 (6 on foot, 2 by car); total party-miles, 64 (17 on foot, 47 by car). Hooded Merganser, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Rough-legged Hawk, 4; Ring-necked Pheasant, 32; Belted Kingfisher, 2; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 12; Hairy Woodpecker, 12; Downy Woodpecker, 44; Horned Lark, 1; Blue Jay, 23; Am. Crow, 54; Black-capped Chickadee, 112; Tufted Titmouse, 11; White-breasted Nuthatch, 60; Brown Creeper, 13; Carolina Wren, 1; Am. Robin, 5; Cedar Waxwing, 20; Common Starling, 98; House Sparrow, 404; Rusty Blackbird, 1; Purple Grackle, 1; Cardinal, 32; Am. Goldfinch, 10; Slate-colored Junco, 149; Am. Tree Sparrow, 154; Song Sparrow, 4. **Total**, 30 species; about 1266 individuals.—Martin L. Grant (compiler), Russell Hays, Ruth Mahon, Beulah Rugg.

341. **Davenport, Iowa** (same area as last year).—Dec. 26; 4 a.m. to 5:30 p.m. Overcast, clearing in afternoon; temp. 31° to 37°; wind ENE, 6-10 m.p.h.; ground bare, river 20% open. Forty-one observers in 18 parties. Total party-hours, 98 (57 on foot, 33 by car, 8 misc.); total party-miles, 384 (64 on foot, 320 by car). Double-crested Cormorant, 1; **Great Blue Heron**, 2; Mallard, 406; Black Duck, 3; Pintail, 1; Ring-necked Duck, 3; Canvas-back, 44; Lesser Scaup, 18; Am. Golden-eye, 824; **Buffle-head**, 1; **Ruddy Duck**, 3; Am. Merganser, 111; Red-breasted Merganser, 1; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 36 (1 Krider's); Red-shouldered Hawk, 12; Rough-legged Hawk, 3; Bald Eagle, 17; Marsh Hawk, 2; **Osprey**, 2 (D.D., I.G.); Sparrow Hawk, 8; Bob-white, 55; Ring-necked Pheasant, 4; Am. Coot, 1; Killdeer, 2; Herring Gull, 670; Ring-billed Gull, 18; Mourning Dove, 4; Screech Owl, 5; Horned Owl, 2; Barred Owl, 8; Long-eared Owl, 4; Short-eared Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 25; Red-bellied Woodpecker, 51; Red-headed Woodpecker, 43; Hairy Woodpecker, 41; Downy Woodpecker, 186; Horned Lark, 28; Blue Jay, 224; Am. Crow, 639; Black-capped Chickadee, 383; Tufted Titmouse, 228; White-breasted Nuthatch, 133; Red-breasted Nuthatch, 3; Brown Creeper, 20; Winter Wren, 3; Carolina Wren, 7; **Catbird, 2** (D.D., I.G.); Am. Robin, 16; **Eastern Bluebird**, 1; Golden-crowned Kinglet, 27; Cedar Waxwing, 54; Common Starling, 1743; House Sparrow, 2198; meadowlark (sp.), 3; Red-winged Blackbird, 1409; Purple Grackle, 5; **Brown-headed Cowbird, 2**; Cardinal, 166; Purple Finch, 36; **Pine Siskin, 3**; Am. Goldfinch, 68; **Red Crossbill, 3**; **Savannah Sparrow**, 1; Slate-colored Junco, 851; Am. Tree Sparrow, 841; White-throated Sparrow, 11; Swamp Sparrow, 7; Song Sparrow, 51. **Total**, 72 species (1 additional subspecies); about 11,791 individuals.—Albert L. and A. Lang Baily, Lewis Blevins, Harry Carl, Dorothy Cowley, Dale Dickinson, Leo Doering, Clark Ehlers, David and Elton Fawkes, Mr. and Mrs. Floyd Gold, Mrs. H. Goldschmidt, Ivan Graham, Jeanette Graham, Richard Greer, Ted Greer, H. James Hodges, Ben Holm, Frances and Marion Johnson, Fred and Tom Kent, Dr. and Mrs. J. P. Leonard, Ed and Jim Lewis, Jerry McConoughey, Mrs. Alice Mattson, Edwin Meyer, Thomas Morrissey, Peter C. Petersen, Jr. (compiler), Mr. and Mrs. P. C. Petersen, Mr. and Mrs. Don Price, Dennis Sheets, Don and Ron Swensson, Robert Trial, Bengt Von Rosen.

342. **Des Moines, Iowa** (same area as last year; deciduous woodland 60%, open fields 25%, water and riverside 10%, coniferous woodland 5%).—Dec. 26; 8 a.m. to 5 p.m. Partly cloudy to clear; temp. 31° to 46°; wind E, 12-15 m.p.h.; no snow, very little open water. Twenty-three observers in 5 parties. Total party-hours, 35 (21 on foot, 14 by car); total party-miles, 152 (25 on foot, 127 by car). Mallard, 4500; Black Duck, 2; Pintail, 3; Sharp-shinned Hawk, 1; Red-tailed Hawk, 12; Red-shouldered Hawk, 5; Rough-legged Hawk, 2; Sparrow Hawk, 7; Bob-white, 16; Ring-necked Pheasant, 4; Mourning Dove, 51; Horned Owl, 1; Barred Owl, 12; Yellow-shafted Flicker, 34; Red-bellied Woodpecker, 47; Red-headed Woodpecker, 12; Hairy Woodpecker, 40; Downy Woodpecker, 73; Horned Lark, 7; Blue Jay, 133; Am. Crow, 116; Black-capped Chickadee, 276; Tufted Titmouse, 66; White-breasted Nuthatch, 102; Brown Creeper, 6; Carolina Wren, 3; Am. Robin, 75; Eastern Bluebird, 4; Ruby-crowned Kinglet, 2; Cedar Waxwing, **185**; Common Starling, 235; House Sparrow, 975; meadowlark (sp.), 30; Red-winged Blackbird, 2; Purple Grackle, 30; Cardinal, 196; Purple Finch, 15; Common Redpoll, 30; Pine Siskin, 8; Am. Goldfinch, 38; Slate-colored Junco, 230;

Oregon Junco, 1 (present for some time); Am. Tree Sparrow, 115; Harris's Sparrow, 6; White-crowned Sparrow, 1; White-throated Sparrow, 3; **Swamp Sparrow,** 2; Song Sparrow, 41. **Total,** 48 species; about 7755 individuals.—Ben Aurand, Albert C. Berkowitz, Julie Bowlby, Mrs. Dwight Brooks, Carl Brown, Woodward H. Brown, Ruth Chapman, Philip Clampitt, Oliver W. Graves, Mr. and Mrs. Lester Haskell, Joe Kennedy, Gary and John Kline, Olivia McCabe, Mrs. Newton E. Moats, Dr. and Mrs. Harold R. Peasley, Mary Elizabeth Peck, Oscar F. Richter, Bruce F. Stiles, Mrs. Toni R. Wendelburg, Lynn Willcockson (compiler).

343. **Dubuque, Iowa** (Linwood and Mt. Calvary Cemeteries, Eagle Point Park, Mississippi River sloughs and Sinope Creek area in Wisconsin; open fields 10%, coniferous woodlands 15%, deciduous woodlands 40%, river sloughs 35%).—Dec. 26; 7:30 a.m. to 4 p.m. Cloudy, then clearing; temp. 25° to 32°; wind N, 3-7 m.p.h.; 2-in. fresh snow over patches of old, 10 acres of river open in patches below dam. Six observers in 1 party. Total party-hours, 8½ (7½ on foot, 1 by car); total party-miles, 14 (8 on foot, 6 by car). Red-tailed Hawk, 2; Bald Eagle, 11; Killdeer, 3; Pileated Woodpecker, 2; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 12; Hairy Woodpecker, 4; Downy Woodpecker, 9; Blue Jay, 17; Am. Crow, 7; Black-capped Chickadee, 20; Tufted Titmouse, 4; White-breasted Nuthatch, 9; Brown Creeper, 2; Winter Wren, 1; Cedar Waxwing, 55; Common Starling, 29; House Sparrow, 55; Cardinal, 33; Purple Finch, 32; Am. Goldfinch, 15; Slate-colored Junco, 238; Am. Tree Sparrow, 160; Song Sparrow, 3. **Total,** 24 species; about 729 individuals. (Seen in area count period: Am. Robin.)—Frieda M. Crossley, George E. Crossley (compiler), Beverley Datisman, Edward Heuser, Clifford O. Johnson, Ival Schuster.

344. **Harpers Ferry, Iowa** (same area as last year; deciduous timber 30%, coniferous timber 5%, bottomlands with weed and brush 20%, open fields and roads 45%).—Dec. 26; 8 a.m. to 4 p.m. Partly cloudy to dark cloudy; temp. 28° to 34°; wind SSE, 1-3 m.p.h.; ground with 2-in. crusted snow, covered with 4-in. loose snow. Two observers in 1 party. Total party-hours, 7½ (2½ on foot, 5 by car); total party-miles, 35 (5 on foot, 30 by car). Barred Owl, 1; Red-bellied Woodpecker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 4; Blue Jay, 5; Am. Crow, 32; Black-capped Chickadee, 288; Tufted Titmouse, 3; White-breasted Nuthatch, 7; Red-breasted Nuthatch, 1; Common Starling, 2; House Sparrow, 80; Cardinal, 38; Am. Goldfinch, 5; Slate-colored Junco, 56; Am. Tree Sparrow, 153. **Total,** 16 species; about 681 individuals.—A. J. Palas (compiler), F. R. Palas.

345. **Iowa City, Iowa** (same area as previous years; open farmlands 45%, deciduous woodland 45%, coniferous woodland 10%).—Dec. 31; 7 a.m. to 5 p.m. Clear; temp. 16° to 40°; wind W, 2-5 m.p.h.; ground clear, ponds and river frozen. Fourteen observers in 4 parties. Total party-hours, 29 (18 on foot, 11 by car); total party-miles, 90 (12 on foot, 78 by car). Red-tailed Hawk, 11; Red-shouldered Hawk, 6; Rough-legged Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 2; Ring-necked Pheasant, 12; Mourning Dove, 15; Screech Owl, 2; Horned Owl, 1; Barred Owl, 2; Long-eared Owl, 9; Short-eared Owl, 9; Saw-whet Owl, 5; Yellow-shafted Flicker, 6; Pileated Woodpecker, 1; Red-bellied Woodpecker, 22; Red-headed Woodpecker, 19; Hairy Woodpecker, 2; Downy Woodpecker, 19; Horned Lark, 3; Blue Jay, 33; Am. Crow, 50; Black-capped Chickadee, 57; Tufted Titmouse, 24; White-breasted Nuthatch, 41; Red-breasted Nuthatch, 2; Brown Creeper, 2; Am. Robin, 8; Golden-crowned Kinglet, 1; Cedar Waxwing, 30; Common Starling, 411; House Sparrow, 552; Red-winged Blackbird, 3; Purple Grackle, 40; Cardinal, 81; Purple Finch, 4; Am. Goldfinch, 66; Slate-colored Junco, 228; Am. Tree Sparrow, 303; Song Sparrow, 5. **Total,** 40 species; about 2091 individuals. (Seen count period: Gray Shrike, Loggerhead Shrike.)—Lang Baily, Lewis Blevins, Shirley Briggs, J. H. Decker, Clark Ehlers, F. W. Kent (compiler), Dr. and Mrs. P. P. Laude, Jim and Ed Lewis, Tom Morrissey, Max Pepernik, Peter Peterson, Jr., JoAnn Shriner.

346. **Mount Vernon, Iowa** (same area as last year).—Dec. 26; 7:30 a.m. to 12:45 p.m. and 1:30 p.m. to 4:15 p.m. Partly cloudy; temp. 30° to 36°; wind E, 5-10 m.p.h.; no snow, main channel of Red Cedar River open. Three observers in 1 party. Total party-hours, 8 (6½ on foot, 1½ by car); total party-miles, 46 (8 on foot, 38 by car). Red-tailed Hawk, 2; Rough-legged Hawk, 2; Sparrow Hawk, 2; Ring-necked Pheasant, 3; Mourning Dove, 29; Horned Owl, 2; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 11; Hairy Woodpecker, 1; Downy Woodpecker, 10; Blue Jay, 10; Am. Crow, 12; Black-capped Chickadee, 14; Tufted Titmouse, 6; White-breasted Nuthatch, 4; **Carolina Wren,** 2; Am. Robin, 1; Cedar Waxwing, 18; Gray Shrike, 2; Common Starling, 6; House Sparrow, 288; meadowlark (sp.), 40+; Red-winged Blackbird, 200+; **Rusty Blackbird,** 1; Cardinal, 7; Slate-colored Junco, 17; Am. Tree Sparrow, 22. **Total,** 28 species; more than 720 individuals. (Seen in area count period: Barred Owl, Winter Wren, Am. Goldfinch.)—J. David Ennis, J. Harold Ennis (compiler), Richard Miner.

347. **Shenandoah–Riverton, Iowa** (Shenandoah to Riverton and environs, including Waubonsie State Park; river woods 10%, open woods, fields, orchards 30%, open farmland and prairie 60%).—Dec. 26; 8:45 a.m. to 5 p.m. Clear; temp. 24° to 43°; wind NE to SSE, 5-10 m.p.h.; ponds and streams frozen. Six observers in 3 parties. Total party-hours, 10 (6 on foot, 4 by car); total party-miles, 132 (10 on foot, 122 by car). Mallard, 97; Red-tailed Hawk, 8; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 2; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 9; Downy Woodpecker, 22; Horned Lark, 29; Blue Jay, 23; Am. Crow, 275; Black-capped Chickadee, 62; White-breasted Nuthatch, 8; Brown

Creeper, 1; Am. Robin, 29; Cedar Waxwing, 2; Loggerhead Shrike, 3; Common Starling, 61; House Sparrow, 446; Eastern Meadowlark, 18; Cardinal, 55; Pine Siskin, 1; Am. Goldfinch, 17; Slate-colored Junco, 48; Am. Tree Sparrow, 220; Harris's Sparrow, 7; White-crowned Sparrow, 2; Song Sparrow, 2. **Total,** 28 species; about 1457 individuals.—Mrs. Robert Bordner, Mrs. Francis M. Braley, William H. Collins, Mrs. William H. Collins (compiler), Edward C. Vaughn, Mrs. Edward C. Vaughn.

348. Sioux City, Iowa (7½-mile radius centering on 6th and Douglas Streets, including Brown's Lake, Graceland and Logan Park Cemeteries, Riverside Park, Sioux River Road, Highway 12; hilly woodland and park 40%, wooded stream 15%, coniferous cemetery 10%, open field and marsh 25%, city and suburban 10%).—Jan. 1; 8 a.m. to 5 p.m. Cloudy; temp. 28° to 34°; wind NW, 8 m.p.h.; patches of ice and snow in protected areas, open water in Big Sioux River. Eighteen observers in 7 parties. Total party-hours, 35 (7 on foot, 28 by car); total party-miles, 155 (12 on foot, 143 by car). Mallard, 9; Marsh Hawk, 1; Sparrow Hawk, 2; Ring-necked Pheasant, 1; Mourning Dove, 6; Red-shafted Flicker, 6; Red-bellied Woodpecker, 12; Hairy Woodpecker, 15; Downy Woodpecker, 36; Blue Jay, 18; Am. Crow, 3500; Black-capped Chickadee, 141; White-breasted Nuthatch, 38; Brown Creeper, 7; Am. Robin, 14; Golden-crowned Kinglet, 4; Cedar Waxwing, 4; Common Starling, 1000; House Sparrow, 1000; Red-winged Blackbird, 30; Cardinal, 38; Pine Siskin, 7; Am. Goldfinch, 83; Eastern Towhee, 1; Slate-colored Junco, 164; Am. Tree Sparrow, 74; Harris's Sparrow, 11; Song Sparrow, 2; Snow Bunting, 1. **Total,** 29 species; about 6225 individuals. (Savannah Sparrow seen count period.)—Mr. and Mrs. W. W. Barrett, Eunice Barrett, Mr. and Mrs. Darrell M. Hanna, Carl Kuhlmann, Mr. and Mrs. John Lutshen, Mr. and Mrs. George Marsh, Mr. and Mrs. Leroy Nydegger, L. J. Nickolson, Robert L. Nickolson (compiler), Allan Schatz, Dr. and Mrs. J. L. Schott, Gertrude Weaver.

349. Tripoli, Iowa (Sweet Marsh Refuge, Wapsipinicon River from Tripoli southeast to Black Hawk Co.; farmland 50%, deciduous woodlands 50%).—Dec. 31; 8 a.m. to 5 p.m. Clear; temp. 10° to 35°; wind W to NW, 0-20 m.p.h.; small patches of snow. Four observers in 1 party. Total party-hours, 8½ (6½ on foot, 2 by car); total party-miles, 69 (7 on foot, 62 by car). Great Blue Heron, 1; Mallard, 7; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Rough-legged Hawk, 7; Ring-necked Pheasant, 34; Horned Owl, 2; Short-eared Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 18; Red-headed Woodpecker, 19; Hairy Woodpecker, 6; Downy Woodpecker, 26; Horned Lark, 653; Blue Jay, 30; Am. Crow, 92; Black-capped Chickadee, 46; Tufted Titmouse, 9; White-breasted Nuthatch, 30; Gray Shrike, 1; Common Starling, 70; House Sparrow, 188; Red-winged Blackbird, 19; Cardinal, 5; Am. Goldfinch, 7; Slate-colored Junco, 58; Am. Tree Sparrow, 190; Song Sparrow, 3; Lapland Longspur, **850. Total,** 31 species; about 2384 individuals. (Screech Owl recorded count period.)—Myrle M. Burk (compiler), Martin L. Grant, Russel Hayes, Jack Heifner (Waterloo Audubon Society).

350. Webster City, Iowa (7½-mile radius centering on Des Moines and 2nd Sts., including Graceland Cemetery, Briggs' Woods, areas along Boone River south of town and roadsides; deciduous woodland 50%, open farmland and fields 35%, mixed woods 10%, residential 5%).—Dec. 27; 7:30 a.m. to 4:30 p.m. Cloudy; temp. 27° to 37°; wind SE, 10-15 m.p.h.; ground bare in open areas, up to 3-in. crusted snow in sheltered places, Boone River open in town but 90% frozen elsewhere. Three observers in 1 party. Total party-hours, 9 (6 on foot, 3 by car); total party-miles, 59 (7 on foot, 52 by car). Red-tailed Hawk, 2; Rough-legged Hawk, 1; Ring-necked Pheasant, 4; Horned Owl, 1; Yellow-shafted Flicker, 7; Red-bellied Woodpecker, 10; Red-headed Woodpecker, 4; Hairy Woodpecker, 2; Downy Woodpecker, 11; Blue Jay, 5; Am. Crow, 26; Black-capped Chickadee, 35; White-breasted Nuthatch, 10; **Carolina Wren,** 1; Am. Robin, 5; Common Starling, 15; House Sparrow, 90; Western Meadowlark, 6; Cardinal, 26; **Common Redpoll,** 16; Am. Goldfinch, 23; **Spotted Towhee,** 1 (first winter record); Slate-colored Junco, 19; Am. Tree Sparrow, 22; Harris's Sparrow, 6; Song Sparrow, 4. **Total,** 26 species; about 352 individuals. (Seen in area count period: Tufted Titmouse, Winter Wren, Eastern Bluebird, Gray Shrike, Red-winged Blackbird.)—Dennis L. Carter (compiler), Donald P. Johnson, Heber P. Johnson.

351. Kansas City, Mo.–Kans. (7½-mile radius centering in Argentine, including Quivera Lake, Wyandotte County Lake, northwest end of Swope Park, areas along Missouri River; open fields 20%, deciduous wooded lakes 50%, riverbottoms 10%, deciduous wooded park 20%).—Dec. 26; 7 a.m. to 5:30 p.m. Partly cloudy; temp. 37° to 46°; wind SW to W, 5-15 m.p.h.; ground clear, water areas 90% frozen. Nineteen observers in 8 parties. Total party-hours, 56 (43½ on foot, 12½ by car); total party-miles, 159 (40 on foot, 119 by car). Canada Goose, 85; Mallard, **17,000**; Black Duck, 12; Pintail, 12; Am. Golden-eye, 11; Am. Merganser, 180; Red-breasted Merganser, 1; Cooper's Hawk, 1; Red-tailed Hawk, 8; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 6; Bobwhite, 38; Am. Coot, 5; Screech Owl, 1; Horned Owl, 6; Long-eared Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 69; Red-shafted Flicker, 2; Red-bellied Woodpecker, 39; Red-headed Woodpecker, 5; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 13; Downy Woodpecker, 58; Horned Lark, 75; Blue Jay, 154; Am. Crow, 140; Black-capped Chickadee, 132; Tufted Titmouse, 106; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 1; Brown Creeper, 7; Winter Wren, 4; Carolina Wren, 31; Mockingbird, 2; Am. Robin, 263; Eastern Bluebird, 99; Golden-crowned Kinglet, 2; Cedar Waxwing, 13; Loggerhead Shrike,

2; Common Starling, 220; House Sparrow, 355; Eastern Meadowlark, 60; Western Meadowlark, 100; Red-winged Blackbird, 33; Purple Grackle, 7; Cardinal, 194; Purple Finch, 14; Pine Siskin, 6; Am. Goldfinch, 128; **Red Crossbill, 37** (seen by many observers after count); [Eastern Towhee, 8 + Spotted Towhee, 4]; Slate-colored Junco, 378; Am. Tree Sparrow, 651; Harris's Sparrow, 43; White-crowned Sparrow, 4; White-throated Sparrow, 44; Fox Sparrow, 27; Song Sparrow, 206; Lapland Longspur, 5. **Total,** 63 species (1 additional subspecies); about 21,123 individuals. (Seen in area count period: Am. Widgeon, Oregon Junco.)—Mr. and Mrs. John Bart, Mrs. A. D. Cole, Richard G. Dawson, Aloha Gillett, Carter Hamilton, Harold Hedges, David Johnson, Ben King, Mrs. Elliott Major, Mr. and Mrs. James Myers, Esther O'Connor, Ronald Pine, Ted Pucci (compiler), Clarence Schutty, Marian Stein, Fletcher Taylor, Leo Thomas (Burroughs Nature Club).

352. Portage Des Sioux, Mo. (Portage Des Sioux area up Mississippi River within 7½-mile radius; bottomlands and sloughs 75%, tilled fields 25%).—Dec. 28; 7:30 a.m. to 4:30 p.m. Clear to partly cloudy; temp. 31° to 38°; wind NW to W, 13-8 m.p.h.; river partly frozen, sloughs frozen. One observer. Total hours, 9 (7½ on foot, 1½ by car); total miles, 38 (6 on foot, 32 by car). Double-crested Cormorant, 2; Great Blue Heron, 1; Mallard, 36; Redhead, 1; Ring-necked Duck, 7; Canvas-back, 626; Lesser Scaup, 61; Am. Golden-eye, 283; Buffle-head, 5; Old-squaw, 1; Ruddy Duck, 1; Hooded Merganser, 2; Am. Merganser, 7; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Bald Eagle, 1; Marsh Hawk, 3; Sparrow Hawk, 13; Herring Gull, 4; Ring-billed Gull, 722; Mourning Dove, 13; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 7; Pileated Woodpecker, 1; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 5; Hairy Woodpecker, 2; Downy Woodpecker, 11; Horned Lark, 3; Blue Jay, 17; Am. Crow, 345; Black-capped Chickadee, 4; Tufted Titmouse, 14; White-breasted Nuthatch, 5; Brown Creeper, 1; Carolina Wren, 6; Mockingbird, 2; Am. Robin, 341; Eastern Bluebird, 7; Cedar Waxwing, 63; Loggerhead Shrike, 2; Common Starling, 314; House Sparrow, 166; European Tree Sparrow, 19; Eastern Meadowlark, 8; Red-winged Blackbird, 17; Rusty Blackbird, 22; Cardinal, 28; Am. Goldfinch, 128; Slate-colored Junco, 216; Am. Tree Sparrow, 341; White-crowned Sparrow, 4; Swamp Sparrow, 3; Song Sparrow, 21. **Total,** 56 species; about 3927 individuals.—James Earl Comfort.

353. Ranken, Mo. (Boy Scout Reservation; tract between Valley Park and Eureka 6 miles long, 4 miles wide; deciduous woods 40%, open valleys bordering creeks and Meramec River 40%, Red Cedar groves 8%, farmland 10%, water 2%).—Dec. 26; 8 a.m. to 4 p.m. Partly cloudy, clearing late a.m.; temp. 34° to 47°; wind W to NW, 0-8 m.p.h.; ground dry, not frozen; driest Dec. since 1893; river open, creeks 60% open. Three observers in 1 party. Total party-hours, 8; total party-miles, 8 (all on foot). Red-tailed Hawk, 2; Pileated Woodpecker, 1; Red-bellied Woodpecker, 5; Downy Woodpecker, 22; Am. Crow, 19; Black-capped Chickadee, 3; Carolina Chickadee, 23; Tufted Titmouse, 34; White-breasted Nuthatch, 4; Carolina Wren, 9; Mockingbird, 2; Am. Robin, 13; Eastern Bluebird, 4; Cedar Waxwing, 17; Myrtle Warbler, 5; House Sparrow, 34; Cardinal, 73; Purple Finch, 1; Am. Goldfinch, 3; Slate-colored Junco, 355; Am. Tree Sparrow, 30; Field Sparrow, 3; Song Sparrow, 3. **Total,** 23 species; about 665 individuals.—W. S. Emerson, J. M. Magner (compiler), J. M. Magner, Jr.

354. Trimble Wildlife Area, Mo. (Trimble, southeast shore of main lake, adjacent wooded ravines and country roads; deciduous woodland 20%, weedy fields and thickets 20%, lakeshore 10%, open farmland 50%).—Dec. 26; 8 a.m. to 4 p.m. Cloudy; temp. 30° to 45°; wind SE, 10 m.p.h. Two observers in 1 party. Total party-hours, 8 (5 on foot, 3 by car); total party-miles, 20 (2 on foot, 18 by car). Canada Goose, 52; Mallard, 5000; Pintail, 6; Green-winged Teal, 12; Red-tailed Hawk, 1; Sparrow Hawk, 2; Bob-white, 15; Mourning Dove, 20; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 12; Horned Lark, 2; Blue Jay, 10; Am. Crow, 8; Black-capped Chickadee, 25; Tufted Titmouse, 10; White-breasted Nuthatch, 1; Brown Creeper, 1; Carolina Wren, 2; Am. Robin, 1; Golden-crowned Kinglet, 2; Loggerhead Shrike, 4; Common Starling, 500; House Sparrow, 200; Eastern Meadowlark, 1; Rusty Blackbird, 1; Cardinal, 15; Am. Goldfinch, 20; Slate-colored Junco, 100; Am. Tree Sparrow, 2000; Harris's Sparrow, 2; Song Sparrow, 200. **Total,** 34 species; about 8236 individuals.—N. Irving Fay (compiler), Curtis Stout.

355. Weldon Springs, Mo. (August A. Busch Wildlife Management Area in St. Charles County, same terrain as in previous years).—Jan. 1; 8 a.m. to 5 p.m. Morning cloudy, afternoon clear; temp. 33° to 55°; wind S to SW, 5-30 m.p.h.; ground dry, ponds and creeks open, but frozen earlier in week. Twenty observers in 7 parties. Total party-hours, 51½ (42½ on foot, 9 by car); total party-miles, 71 (48 on foot, 23 by car). Mallard, 6; Ring-necked Duck, 1; Cooper's Hawk, 3; Red-tailed Hawk, 26 (Krider's, 1); Marsh Hawk, 12; Sparrow Hawk, 10; Bob-white, 93; Killdeer, 2; Mourning Dove, 49; Barred Owl, 3; Long-eared Owl, 3; Belted Kingfisher, 3; Yellow-shafted Flicker, 50; Pileated Woodpecker, 15; Red-bellied Woodpecker, 122; Red-headed Woodpecker, 2; Hairy Woodpecker, 5; Downy Woodpecker, 76; Horned Lark, 25; Blue Jay, 94; Am. Crow, 100; Black-capped Chickadee, 104; Carolina Chickadee, 6; Tufted Titmouse, 127; White-breasted Nuthatch, 44; Brown Creeper, 1; Carolina Wren, 34; Mockingbird, 31; Am. Robin, 261; Eastern Bluebird, 89; Golden-crowned Kinglet, 3; Cedar Waxwing, 25; Loggerhead Shrike, 4; Common Starling, 50; House Sparrow, 70; Eastern Meadowlark, 58; Red-winged Blackbird, 400; Rusty Blackbird, 26; Brown-headed Cowbird, 39; Cardinal, 227; Purple Finch, 49; Am.

Goldfinch, 612; [Eastern Towhee, 3 + **Spotted Towhee,** 1]; Savannah Sparrow, 5; Slate-colored Junco, 1860; Oregon Junco, 4 (2 races); Am. Tree Sparrow, 1540; Field Sparrow, 21; White-crowned Sparrow, 2 (Gambel's, 1); White-throated Sparrow, 7; Fox Sparrow, 11; Swamp Sparrow, 11; Song Sparrow, 93. **Total,** 53 species (4 additional subspecies); about 6518 individuals. (Seen in area count period: Screech Owl.)—Alberta Bolinger, J. Earl Comfort, James F. Comfort, W. S. Emerson, John Gilland, Donald Haefele, Richard Haefele, Earl Hath, Stoner Haven (compiler), James P. Jackson, David M. Jones, Lance Jones, J. M. Magner, J. M. Magner, Jr., Charles T. Magner, John P. McDonald, F. E. Springer, Sarah Springer, Merrill Vincent, Irene Weber (Webster Groves Nature Study Society).

356. El Dorado, Ark. (semi-circular area, 12-mile diameter parallel to and 2 miles east of U. S. 167, including Calion Lake, Calion, Norphlet; lake, pond and river edge 30%, open fields and pastures 25%, bottomland oak-pine woodland 30%, upland pine-oak woodland 15%).—Dec. 31; 6:15 a.m. to 5:15 p.m.; Clear; temp. 22° to 53°; wind NW to S to NW, 0-6 m.p.h.; ground and bottomlands very dry, thin ice on lake edge early a.m.; Calion Lake 5 feet below normal for cleaning and spillway repairs, extensive mud flats which normally are not present. Eight observers, 2 parties in car, otherwise 4-6 parties depending on area. Total party-hours, 50 (46 on foot, 4 by car); total party-miles, 120 (50 on foot, 70 by car). Pied-billed Grebe, 23; Great Blue Heron, 3; Turkey Vulture, 16; Black Vulture, 3; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 1; Pigeon Hawk, 1; Sparrow Hawk, 1; Killdeer, 52; Wilson's Snipe, 8; Least Sandpiper, 22; Mourning Dove, 10; Barred Owl, 4; Belted Kingfisher, 10; Yellow-shafted Flicker, 46; Pileated Woodpecker, 7; Red-bellied Woodpecker, 22; Red-headed Woodpecker, 24; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 4; Downy Woodpecker, 16; **Vermilion Flycatcher,** 1 (male, many observers); Eastern Phoebe, 9; Blue Jay, 75; Am. Crow, 48; Carolina Chickadee, 43; Tufted Titmouse, 46; White-breasted Nuthatch, 2; Brown-headed Nuthatch, 4; Brown Creeper, 1; Winter Wren, 9; Bewick's Wren, 3; Carolina Wren, 37; Mockingbird, 28; Brown Thrasher, 11; Am. Robin, 71; Hermit Thrush, 22; Eastern Bluebird, 45; Golden-crowned Kinglet, 22; Ruby-crowned Kinglet, 58; Water Pipit, 9; Cedar Waxwing, 18; Loggerhead Shrike, 18; Common Starling, 1; **Solitary Vireo,** 1 (collected); **Orange-crowned Warbler,** 1; Myrtle Warbler, 53; Pine Warbler, 32; House Sparrow, 35; Eastern Meadowlark, 43; Red-winged Blackbird, 6; Rusty Blackbird, 33; Purple Grackle, 20; Cardinal, 96; Purple Finch, 8; Am. Goldfinch, 38; Eastern Towhee, 30; Savannah Sparrow, 25; Leconte's Sparrow, 5; Slate-colored Junco, 197; Chipping Sparrow, 16; Field Sparrow, 115; White-throated Sparrow, 187; Fox Sparrow, 2; Lincoln's Sparrow, 4; Swamp Sparrow, 13; Song Sparrow, 38. **Total,** 69 species; about 1861 individuals. (Bob-white seen count period.)—Mr. and Mrs. W. Lynne Goodwin, Mrs. Hilery E. Hanna, Mrs. Archalee Harman, Arnold J. Hoiberg (compiler), John A. Hoiberg, Mr. and Mrs. Douglas James.

357. Fort Smith, Ark. (7½-mile radius centering on Hendricks Blvd. and Cliff Drive, including Moffett, Okla., same area as previous years with addition of Well's Lake and vicinity at Camp Chaffee, and the Cavanaugh bottoms; river bank 33%, upland deciduous woods 23%, farm ponds and old fields 22%, bottomland fields and deciduous woods 14%, airport 8%).—Dec. 28; 7:30 a.m. to 5:45 p.m. Partly cloudy, clearing by noon; temp. 37° to 66°; wind NE to SW, 0-17 m.p.h.; Nov.-Dec. very dry, water levels extremely low. Twenty observers in 3 parties. Total party-hours, 29 (23 on foot, 6 by car); total party-miles, 158 (28 on foot, 130 by car). Great Blue Heron, 23; Mallard, 1; Turkey Vulture, 2; **Black Vulture,** 1; Cooper's Hawk, 1; Red-tailed Hawk, 7; Marsh Hawk, 6; Sparrow Hawk, 2; **Broad-winged Hawk,** 1 (J.W.); Bob-white, 14; Killdeer, 29; Wilson's Snipe, 2; Mourning Dove, 78; Screech Owl, 1; Horned Owl, 2; Barred Owl, 1; Yellow-shafted Flicker, 22; Pileated Woodpecker, 3; Red-bellied Woodpecker, 13; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 12; Eastern Phoebe, 1; Horned Lark, 81 (2 Northern); Blue Jay, 71; Am. Crow, 333; Fish Crow, 60; Carolina Chickadee, 18; Tufted Titmouse, 20; White-breasted Nuthatch, 1; Winter Wren, 3; Bewick's Wren, 2; Carolina Wren, 14; Mockingbird, 40; Brown Thrasher, 1; Am. Robin, 35; Eastern Bluebird, 73; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 13; Common Starling, 2479; Myrtle Warbler, 1; House Sparrow, 2522; Eastern Meadowlark, 179; **Western Meadowlark,** 1; Red-winged Blackbird, 300; Rusty Blackbird, 4; Purple Grackle, 912; Brown-headed Cowbird, 151; mixed blackbirds and starlings, **75,500**; Cardinal, 187; Purple Finch, 14; Am. Goldfinch, 116; Eastern Towhee, 8; Savannah Sparrow, 2; **Grasshopper Sparrow,** 6 (J.W.); **Leconte's Sparrow,** 4; **Vesper Sparrow,** 1; Slate-colored Junco, 317; Field Sparrow, 55; Harris's Sparrow, 95; White-crowned Sparrow, 5; White-throated Sparrow, 269; Fox Sparrow, **101**; Lincoln's Sparrow, 3; Swamp Sparrow, 7; Song Sparrow, 110; **Lapland Longspur,** 6 (B.B. & J.W.); **Smith's Longspur,** 57 (B.B.). **Total,** 68 species (1 additional subspecies); about 84,407 individuals. (Seen in area count period: Sharp-shinned Hawk, Pintail.)—Ruth Armstrong, Bill Beall (compiler), Janne Beckman, Mr. and Mrs. R. Corbin, Donald Corbin, Virginia Cornelius, Mark Cutter, Sandra Funk, Fred Haskin, Larry Lichty, Judy McAlister, Tom Miller, Jim Mulhollan, John Price, Mary Nell Shepherd, Mr. and Mrs. G. A. Springer, Bill Stewart, James Wear.

358. Jasper, Ark. (1-mile radius of Stringtown, and Highway 7, 14 miles north to Harrison; mixed deciduous and coniferous woods 25%, open fields and pastures 70%, village streets 5%).—Dec. 28; 8 a.m. to 4:45 p.m. Clear to partly cloudy; temp. 32° to 60°; wind SW, 0-10 m.p.h.; unusually warm

and dry. Two observers in 1 party. Total party-hours, 8½ (7 on foot, 1½ by car); total party-miles, 31 (3 on foot, 28 by car). Red-tailed Hawk, 1; Sparrow Hawk, 1; Bob-white, 2; Mourning Dove, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 6; Pileated Woodpecker, 2; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 4; Blue Jay, 2; Am. Crow, 8; Carolina Chickadee, 9; Tufted Titmouse, 15; White-breasted Nuthatch, 6; Brown Creeper, 1; Winter Wren, 1; Carolina Wren, 6; Mockingbird, 3; Am. Robin, 32; Hermit Thrush, 1; Eastern Bluebird, 16; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 1; Cedar Waxwing, 12; Loggerhead Shrike, 3; Common Starling, 5; Myrtle Warbler, 1; House Sparrow, 21; Eastern Meadowlark, 10; Brown-headed Cowbird, 90; Cardinal, 17; Purple Finch, 6; Am. Goldfinch, 11; Slate-colored Junco, 93; Field Sparrow, 10; White-throated Sparrow, 15; Fox Sparrow, 1; Song Sparrow, 2. **Total,** 41 species; about 426 individuals.—Ralph L. Dunckel (compiler), Mrs. Ralph L. Dunckel.

359. Little Rock, Ark. (same area as last year, except add Burns Park in North Little Rock; upland pines and hardwoods 80%, pasture and fields 5%, town suburbs 5%, river banks and streams 3%, roads 2%, misc. 5%).—Dec. 31; 6:45 a.m. to 5:15 p.m. Clear; temp. 26° to 53°; wind S to W, 7-14 m.p.h.; ground dry except few low places, ice on water early morning. Eighteen observers in 6 parties. Total party-hours, 54 (52 on foot, 2 by car); total party-miles, 70 (40 on foot, 30 by car). Pintail, 1; Turkey Vulture, 4; Cooper's Hawk, 9; Red-tailed Hawk, 2; Sparrow Hawk, 13; Bob-white, 36; Killdeer, 23; Wilson's Snipe, 1; Mourning Dove, 31; Belted Kingfisher, 3; Yellow-shafted Flicker, 33; Pileated Woodpecker, 13; Red-bellied Woodpecker, 26; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 12; Downy Woodpecker, 27; **Wood Pewee,** 1 (carefully studied—Mr. and Mrs. J.R.J.); Horned Lark, 50; Blue Jay, 46; Am. Crow, 42; Carolina Chickadee, 38; Tufted Titmouse, 43; White-breasted Nuthatch, 23; **Red-breasted Nuthatch,** 1; **Brown-headed Nuthatch, 6**; Brown Creeper, 1; Winter Wren, 2; Carolina Wren, 23; Mockingbird, 31; Brown Thrasher, 2; Am. Robin, 93; Hermit Thrush, 2; Eastern Bluebird, 67; Golden-crowned Kinglet, 12; Ruby-crowned Kinglet, 17; Water Pipit, 1; Loggerhead Shrike, 6; Common Starling, 241; Myrtle Warbler, 5; Pine Warbler, 2; House Sparrow, 515; Eastern Meadowlark, 46; Rusty Blackbird, 13; Purple Grackle, 45; Cardinal, 123; Purple Finch, 61; Am. Goldfinch, 63; Eastern Towhee, 8; **Leconte's Sparrow, 12**; Slate-colored Junco, 461; Am. Tree Sparrow, 2; Field Sparrow, 33; Harris's Sparrow, 1; White-throated Sparrow, 275; Fox Sparrow, 21; Swamp Sparrow, 2; Song Sparrow, 34. **Total,** 58 species; about 2709 individuals.—Cleveland Cabler, H. H. Daniel (compiler), Mrs. H. H. Daniel, A. M. Davison, Jay Davison, Ross L. Jamison, Mrs. Ross L. Jamison, James R. Johnson, Jr., Mrs. James R. Johnson, Jr., Harry E. Meek, Mrs. Harry E. Meek, Mrs. Nora Mangel, Mrs. Ben D. Moore, Mrs. Guy Northrop, Joe A. Norton, William Shepherd, Jr., Mary Sue Shepherd, H. C. Thompson (Pulaski County Audubon Society).

360. Lonoke, Ark. (same area as 1954; deciduous woods 45%, highways, old fields, pastures 30%, rice field stubble 5%, goldfish ponds 5%, 267-acre fish hatchery with 2/5 ponds dry 15%).—Dec. 24; 6:45 a.m. to 5 p.m. Generally fair; temp. 62° to 78°; wind SW, 5-15 m.p.h.; calm 7-9 a.m. Eleven observers in 3 parties. Total party-hours, 38 (25 on foot, 13 by car); total party-miles, 90 (20 on foot, 70 by car). Pied-billed Grebe, 3; Great Blue Heron, 2; Canada Goose, 39; Mallard, 83; Gadwall, 25; Am. Widgeon, 1150; Pintail, 1225; Green-winged Teal, 6; Shoveller, 130; Redhead, 10; Ring-necked Duck, 153; Canvasback, 25; Lesser Scaup, 79; Turkey Vulture, 14; Black Vulture, 3; Cooper's Hawk, 1; Red-tailed Hawk, 22; Red-shouldered Hawk, 4; Rough-legged Hawk, 1 (R.D.S.); Marsh Hawk, 42; Sparrow Hawk, 13; Bob-white, 1; Am. Coot, 193; Killdeer, 38; Wilson's Snipe, 90; Lesser Yellow-legs, 2 (G.P.); Least Sandpiper, 209; Dowitcher, 2 (R.D.S.); Mourning Dove, 51; Barred Owl, 4; Belted Kingfisher, 3; Yellow-shafted Flicker, 44; Pileated Woodpecker, 3; Red-bellied Woodpecker, 27; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 7; Downy Woodpecker, 19; Eastern Phoebe, 1; Horned Lark, 60; Blue Jay, 42; Am. Crow, 34; Carolina Chickadee, 32; Tufted Titmouse, 11; White-breasted Nuthatch, 2; Brown Creeper, 1; Winter Wren, 10; Bewick's Wren, 4; Carolina Wren, 19; Long-billed Marsh Wren, 1; Mockingbird, 32; Brown Thrasher, 2; Am. Robin, 54; Hermit Thrush, 2; Eastern Bluebird, 10; Golden-crowned Kinglet, 12; Ruby-crowned Kinglet, 6; Water Pipit, 97; Cedar Waxwing, 17; Loggerhead Shrike, 48; Common Starling, 1773; Myrtle Warbler, 5; House Sparrow, 316; Eastern Meadowlark, 758; Western Meadowlark, 5 (B.C.); Red-winged Blackbird, 2515; Rusty Blackbird, 33; Brewer's Blackbird, 92; Purple Grackle, 940; Brown-headed Cowbird, 515; Cardinal, 191; Purple Finch, 6; Am. Goldfinch, 820; Eastern Towhee, 5; Savannah Sparrow, 292; Leconte's Sparrow, **26**; Vesper Sparrow, 2; Slate-colored Junco, 140; **Am. Tree Sparrow,** 1 (B.C.); Field Sparrow, 26; Harris's Sparrow, 1; White-crowned Sparrow, 94; White-throated Sparrow, 241; Fox Sparrow, 17; Swamp Sparrow, 75; Song Sparrow, 330; Lapland Longspur, **6190**; **Smith's Longspur, 5** (B.C., W.C.); **Total,** 88 species; about 19,639 individuals.—David Brown, Mr. and Mrs. Ben B. Coffey, Jr., (compilers), Mr. and Mrs. H. H. Daniel, Richmond Gill, Jr., Lt. and Mrs. J. R. Johnson, George Peyton, Jr., William Shepherd, R. Demett Smith, Jr. (Arkansas Audubon Society).

361. St. Charles, Ark. (White River National Wildlife Refuge Headquarters south over bottoms road to Demonstration Area, White Lake, Frazer Lake, Price's Lake, Farm Unit; to Moon Lake via Highway 1, and return to Headquarters; bottomland hardwoods 40%, farmland and meadow 30%, lakes and bayous 25%, lawns and farm sites 5%).—Dec.

28; 7 a.m. to 5:10 p.m. Partly cloudy; temp. 50° to 57°; wind S, 1-5 m.p.h.; ground dry, no water frozen. Three observers in 2 parties. Total party-hours, 18 (17 on foot, 1 by car); total party-miles, 31 (12 on foot, 19 by car). Great Blue Heron, 5; Canada Goose, 1857 (Hutchins's, 1); **White-fronted Goose,** 1 (well seen in good light); Mallard, **879,000**; Black Duck, 24; Gadwall, 2; Am. Widgeon, 7; Pintail, 274; Green-winged Teal, 114; Wood Duck, 3; Ring-necked Duck, 20; Canvas-back, 1; Hooded Merganser, 4; Turkey Vulture, 2; Black Vulture, 1; Cooper's Hawk, 1; Red-tailed Hawk, 7; Bald Eagle, 9; Marsh Hawk, 2; Sparrow Hawk, 5; Killdeer, 6; Mourning Dove, 16; Horned Owl, 2; Belted Kingfisher, 4; Yellow-shafted Flicker, 61; Pileated Woodpecker, 8; Red-bellied Woodpecker, 73; Red-headed Woodpecker, **187**; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 8; Downy Woodpecker, 23; Blue Jay, 60; Am. Crow, 4; Carolina Chickadee, 65; Tufted Titmouse, 56; White-breasted Nuthatch, 10; Brown Creeper, 3; Winter Wren, 3; Carolina Wren, 50; Mockingbird, 15; Brown Thrasher, 10; Am. Robin, 19; Eastern Bluebird, 2; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 14; Loggerhead Shrike, 7; Common Starling, 12; Myrtle Warbler, 4; House Sparrow, 67; Eastern Meadowlark, 59; Red-winged Blackbird, 10; Rusty Blackbird, 500; Purple Grackle, 3; Brown-headed Cowbird, 30; Cardinal, 116; Am. Goldfinch, 36; Eastern Towhee, 8; Slate-colored Junco, 79; White-throated Sparrow, 748; Song Sparrow, 39. **Total,** 61 species; about 883,769 individuals. (Seen official count period: Sharp-shinned Hawk, Red-shouldered Hawk, Wilson's Snipe, Barred Owl, Eastern Phoebe.)—Darryl L. Agee (compiler), Leroy E. Hovell, Jr., Peter J. Van Huizen.

362. Texarkana, Ark.–Tex. (same areas as in past).—Dec. 26; 7:30 a.m. to 5 p.m. Overcast; temp. 53° to 64°; wind [direction?—Ed.], 5-10 m.p.h. Five observers in 1 party. Total party-hours, 47 (42 on foot, 5 by car); total party-miles, 65 (37 on foot, 28 by car). Pied-billed Grebe, 3; Great Blue Heron, 5; Mallard, 47; Pintail, 4; Shoveller, 28; Ring-necked Duck, 5; Turkey Vulture, 34; Black Vulture, 12; Sharp-shinned Hawk, 1; Red-tailed Hawk, 6; Red-shouldered Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 9; Bob-white, 17; Killdeer, 11; Wilson's Snipe, 4; Mourning Dove, 11; Belted Kingfisher, 2; Yellow-shafted Flicker, 21; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 2; Eastern Phoebe, 1; Blue Jay, 23; Am. Crow, 56; Carolina Chickadee, 10; Tufted Titmouse, 1; Winter Wren, 1; Carolina Wren, 2; Mockingbird, 10; Brown Thrasher, 6; Am. Robin, 10; Hermit Thrush, 5; Eastern Bluebird, 19; Ruby-crowned Kinglet, 4; Cedar Waxwing, 8; Loggerhead Shrike, 36; Common Starling, 401; Myrtle Warbler, 21; House Sparrow, 84; Eastern Meadowlark, 58; Red-winged Blackbird, 234; Purple Grackle, 395; Brown-headed Cowbird, 2; Cardinal, 52; Purple Finch, 3; Am. Goldfinch, 13; Eastern Towhee, 1; Slate-colored Junco, 5; Harris's Sparrow, 4; White-crowned Sparrow, 19; White-throated Sparrow, 43; Fox Sparrow, 3; Song Sparrow, 1. **Total,** 56 species; about 1770 individuals.—Charles Gardner (compiler), Dale Gardner, Gale Gardner, W. S. Jennings, Don Kyle.

363. New Orleans, La. (same area as last year).—Dec. 26; 6 a.m. to 5:15 p.m. Overcast to clear; temp. 52° to 68°; wind S to SW, 0-5 m.p.h. Twenty-one observers in 10 parties. Total party-hours, 81 (60 on foot, 15 by car, 6 by boat); total party-miles, 342 (55 on foot, 275 by car, 12 by boat). Pied-billed Grebe, 67; Brown Pelican, 15; Double-crested Cormorant, 9; Great Blue Heron, 5; Am. Egret, 3; Snowy Egret, 3; Am. Bittern, 1; **White Ibis, 35** (T.A.); Mallard, 6; Gadwall, 24; Pintail, 2; Blue-winged Teal, 15; Redhead, 4; Ring-necked Duck, 152; Canvas-back, 5; **Greater Scaup,** 1 (carefully studied—B.D.); Lesser Scaup, 299; Ruddy Duck, 1; Turkey Vulture, 10; Black Vulture, 9; Sharp-shinned Hawk, 4; Cooper's Hawk, 2; Red-tailed Hawk, 19; Red-shouldered Hawk, 13; Bald Eagle, 2; Marsh Hawk, 7; Sparrow Hawk, 10; Bob-white, 2; King Rail, 1; Clapper Rail, 5; Virginia Rail, 1; Sora, 10; Florida Gallinule, 11; Am. Coot, 2000; Killdeer, 400; Wilson's Snipe, 15; Spotted Sandpiper, 1; Least Sandpiper, 2; Semi-palmated Sandpiper, 2; Herring Gull, 65; Ring-billed Gull, 56; Laughing Gull, 21; Bonaparte's Gull, 9; Gull-billed Tern, 3; Forster's Tern, 27; Royal Tern, 9; Caspian Tern, 8; Mourning Dove, 100; Ground Dove, 6; Barn Owl, 2; Barred Owl, 2; **Rufous Hummingbird, 2**; Belted Kingfisher, 14; Yellow-shafted Flicker, 20; Pileated Woodpecker, 5; Red-bellied Woodpecker, 11; Yellow-bellied Sapsucker, 24; Hairy Woodpecker, 2; Downy Woodpecker, 18; Eastern Phoebe, 40; Vermilion Flycatcher, 1; Tree Swallow, 600; **Rough-winged Swallow, 110** [35 in entire U. S. in 1954 count—Ed.]; Blue Jay, 100; Am. Crow, 1000; Fish Crow, 30; Carolina Chickadee, 13; Tufted Titmouse, 18; House Wren, 2; Winter Wren, 3; Bewick's Wren, 1; Carolina Wren, 83; Long-billed Marsh Wren, 10; Mockingbird, 400; Catbird, 4; Brown Thrasher, 12; Am. Robin, 25,000; Hermit Thrush, 3; Eastern Bluebird, 65; Blue-gray Gnatcatcher, 9; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 70; Water Pipit, 250; Cedar Waxwing, 40; Loggerhead Shrike, 63; Common Starling, 20,000; White-eyed Vireo, 5; Solitary Vireo, 6; Orange-crowned Warbler, 25; Myrtle Warbler, 2000; Pine Warbler, 1000; Palm Warbler, 10; **Louisiana Water-thrush,** 1 (all field marks—Mrs. W. von G.); Common Yellowthroat, 85; House Sparrow, 500; Eastern Meadowlark, 50; Red-winged Blackbird, 1000; Boat-tailed Grackle, 79; Purple Grackle, 175; Cardinal, 138; Purple Finch, 206; Am. Goldfinch, 350; Eastern Towhee, 19; Savannah Sparrow, 23; **Henslow's Sparrow,** 1; Slate-colored Junco, 5; Chipping Sparrow, 3; Field Sparrow, 2; White-crowned Sparrow, 5; White-throated Sparrow, 200; **Lincoln's Sparrow,** 1; Swamp Sparrow, 275; Song Sparrow, 4. **Total,** 113 species; about 57,674 individuals.—Thomas Arata, Samuel Arny, Joe Caldwell, Brian Donlan, Rev. J. L. Dorn, S. J. (compiler), Albert Eigenbrod, Mr. and Mrs. H. A. Evans,

Rose Feingold, Sidney Gauthreaux, Buford Myers, Buford Myers III, Rene Lala, Dan Lund, Paul Odenwald, Ross Olmstead, C. S. Petty, Jack Ricau, Ava Tabor, Mrs. W. T. von Gohren, Rena Wilson.

364. Sabine National Wildlife Refuge, La. (same area as last year; marsh 47%, woods 20%, lakes 11%, fields 10%, beach and jetties 9%, town 3%).—Dec. 31; 12:01 a.m. to 6 p.m. Clear; temp. 33° to 55°; wind NNE to NE, 0-10 m.p.h.; lake tide very low. Eighteen observers in 10 parties. Total party-hours, 104 (56½ on foot, 17½ by car, 23 by boat, 4 by marsh buggy, 3 by helicopter); total party-miles, 438 (46 on foot, 227 by car, 62 by boat, 3 by marsh buggy, 100 by helicopter). Common Loon, 3; Horned Grebe, 14; Eared Grebe, **16** (G.H.L.); Pied-billed Grebe, 38; White Pelican, 476; Brown Pelican, 978; Double-crested Cormorant, 39; Olivaceous Cormorant, 19; cormorant (sp.). 474; Great Blue Heron, 107; Am. Egret, 96; Snowy Egret, 186; Louisiana Heron, 210; Little Blue Heron, 12; **Cattle Egret,** 2 (since Dec. 10); Green Heron, 2; Black-crowned Night Heron, 4; Am. Bittern, 16; Least Bittern, 2 (A.H.); White-faced Ibis, 881; Canada Goose, 3316; White-fronted Goose, 6; Snow Goose, 25,085; Blue Goose, 70,538; Mallard, 1084; Black Duck, 6; Mottled Duck, 2; undifferentiated Black and Mottled Ducks, 97; Gadwall, 602; Am. Widgeon, 326; Pintail, 1200; Green-winged Teal, 7566; Blue-winged Teal, 206; Shoveller, 660; Wood Duck, 4 (J.H.S., A.R.T.); Ring-necked Duck, 2; Canvas-back, 313; **Greater Scaup, 9** (G.H.L.); Lesser Scaup, 24 (R.J.N.); scaup (sp.), 522; Am. Golden-eye, 5; Buffle-head, 12; Ruddy Duck, 2; Hooded Merganser, 30; **Am. Merganser,** 1 (R.J.N.); Red-breasted Merganser, 64; Turkey Vulture, 32; Black Vulture, 12; Sharp-shinned Hawk, 1; Red-tailed Hawk, 15; **Rough-legged Hawk,** 1 (F.J.B.); Marsh Hawk, 136; Peregrine Falcon, 1; Pigeon Hawk, 1; Sparrow Hawk, 20; Bob-white, 4; King Rail, 5; Clapper Rail, 8; Virginia Rail, 4; Sora, 16; **Black Rail,** 1 (flushed by marsh buggy—J.P.G.); Florida Gallinule, 6; Am. Coot, 210; Piping Plover, 10; Snowy Plover, 4; Ringed Plover, 10; Killdeer, 444; Black-bellied Plover, 75; Ruddy Turnstone, 46; Wilson's Snipe, 102; Long-billed Curlew, 19; Spotted Sandpiper, 3; Willet, 43; Greater Yellow-legs, 50; Lesser Yellow-legs, 41; Least Sandpiper, 316; Red-backed Sandpiper, 149; Eastern and Long-billed Dowitcher, 854 (both species identified); Semipalmated Sandpiper, 203; Western Sandpiper, 20; small sandpipers (sp.), 450; Sanderling, 56; Herring Gull, 311; Ring-billed Gull, 1278; Laughing Gull, 2581; Bonaparte's Gull, 511; Gull-billed Tern, 6; Forster's Tern, 111; Common Tern, 4; Royal Tern, 98; Caspian Tern, 27; Black Skimmer, 1100; Mourning Dove, 94; Screech Owl, 3; Barred Owl, 1; Belted Kingfisher, 152; Yellow-shafted Flicker, 59; Red-bellied Woodpecker, 12; Yellow-bellied Sapsucker, 28; Eastern Phoebe, 22; Vermilion Flycatcher, 2; Tree Swallow, 12; Blue Jay, 33; Fish Crow, 136; House Wren, 18; Winter Wren, 3; Carolina Wren, 3; Long-billed Marsh Wren, 4; Short-billed Marsh Wren, 5; Mockingbird, 121; Brown Thrasher, 26; Am. Robin, 278; Hermit Thrush, 22; Blue-gray Gnatcatcher, 48; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 62; Water Pipit, 463; Sprague's Pipit, 3; Cedar Waxwing, 39; Loggerhead Shrike, 102; Common Starling, 1604; White-eyed Vireo, 2; Solitary Vireo, 6; Black and White Warbler, 1; Orange-crowned Warbler, 15; Myrtle Warbler, 644; Pine Warbler, 1; Palm Warbler, 9; Common Yellowthroat, 21; **Am. Redstart,** 1 (F.J.B.); House Sparrow, 78; Eastern Meadowlark, 754; Western Meadowlark, 1; Red-winged Blackbird, 4315; Bullock's Oriole, 1; Brewer's Blackbird, 4; Boat-tailed Grackle, 5668; Purple Grackle, 10; Brown-headed Cowbird, 23; Cardinal, 122; Purple Finch, 10; Am. Goldfinch, 50; Eastern Towhee, 5; Savannah Sparrow, 91; Grasshopper Sparrow, 3; Leconte's Sparrow, 4; Sharp-tailed Sparrow, 28; Seaside Sparrow, 162; Vesper Sparrow, 1; Slate-colored Junco, 1; Field Sparrow, 13; White-crowned Sparrow, 7; White-throated Sparrow, 46; **Fox Sparrow,** 1 (F.J.B.); **Lincoln's Sparrow,** 1 (R.B.M); Swamp Sparrow, 99; Song Sparrow, 72. **Total,** 153 species (1 additional subspecies); about 140,281 individuals. (Seen in area count period: White Ibis, Redhead, Cooper's Hawk, Red-shouldered Hawk, Burrowing Owl.) [Excellent details submitted for all unusual observations—Ed.]—Fred J. Buchmann, Marshall B. Eyster, Mr. and Mrs. John P. Gee, August Hanniball, Dr. and Mrs. Robert W. Krebs, Electa D. Levi, Dr. and Mrs. George H. Lowery, Jr., Mr. and Mrs. Robert B. Moore, Robert J. Newman (compiler), Thomas B. Pugh IV, Charles R. Shaw, John H. Sutherlin, Ava R. Tabor.

365. St. Francisville, La. (same area as in 1945; river and lake shore 30%, fields 28%, deciduous bottomland 27%, hardwood upland 10%, marsh 3%, pine forest 2%).—Dec. 26; 12:01 a.m. to 6 p.m. Overcast until noon; temp. 64° to 75°; wind WNW, 0-12 m.p.h. Eleven observers in 5 parties. Total party-hours, 63 (36 on foot, 27 by car); total party-miles, 220 (45 on foot, 175 by car). Horned Grebe, 23; Eared Grebe, 2; Pied-billed Grebe, 67; Double-crested Cormorant, 10; **Water-turkey, 2** (F.B.); Great Blue Heron, 20; Am. Egret, 8; Canada Goose, 34; Mallard, 48; Am. Widgeon, 6; Pintail, 6; Wood Duck, 10; Redhead, 13; Ring-necked Duck, 21; Canvas-back, 1001; Lesser Scaup, 1773; Am. Golden-eye, 12; Buffle-head, 14; Ruddy Duck, 821; **Red-breasted Merganser,** 1 (J.G.); Turkey Vulture, 12; Black Vulture, 24; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 17; Red-shouldered Hawk, 6; **Rough-legged Hawk, 2** (F.B.); Peregrine Falcon, 2; Sparrow Hawk, 20; Bob-white, 58; King Rail, 7; Virginia Rail, 2 (R.N., J.G.); Sora, 2; **Florida Gallinule,** 1; Am. Coot, 662; Killdeer, 248; Wilson's Snipe, 12; Spotted Sandpiper, 3; Least Sandpiper, 9; Herring Gull, 2; Ring-billed Gull, 22; Forster's Tern, 1; Mourning Dove, 53; Barn Owl, 5; Screech Owl, 5; Horned Owl, 2; Barred Owl, 12; Belted Kingfisher, 17; Yellow-shafted Flicker, 86; Pileated Woodpecker, 6; Red-bellied Woodpecker, 93; Red-headed Woodpecker, 38; Yellow-bellied Sapsucker, 28; Hairy Woodpecker, 4; Downy Woodpecker, 42; Eastern Phoebe, 61; **Rough-winged Swallow, 4;**

Blue Jay, 110; Am. Crow, 126; Fish Crow, 7; Carolina Chickadee, 91; Tufted Titmouse, 46; Brown Creeper, 1; House Wren, 4; Winter Wren, 2; Bewick's Wren, 2; Carolina Wren, 120; Long-billed Marsh Wren, 4; Mockingbird, 139; Catbird, 2; Brown Thrasher, 59; Am. Robin, 863; Hermit Thrush, 17; Eastern Bluebird, 76; Blue-gray Gnatcatcher, 14; Ruby-crowned Kinglet, 131; Water Pipit, 236; Cedar Waxwing, 38; Loggerhead Shrike, 45; Common Starling, 1813; White-eyed Vireo, 1; Solitary Vireo, 5; Orange-crowned Warbler, 19; Myrtle Warbler, 425; Pine Warbler, 4; Common Yellowthroat, 22; Yellow-breasted Chat, 1 (J.G.); House Sparrow, 67; Eastern Meadowlark, 109; Western Meadowlark, 4; Red-winged Blackbird, 8429; Rusty Blackbird, 1322; Brewer's Blackbird, 19; Purple Grackle, 6815; Brown-headed Cowbird, 585; Cardinal, 236; Purple Finch, 12; Am. Goldfinch, 140; Eastern Towhee, 111; Savannah Sparrow, 71; Leconte's Sparrow, 3; Vesper Sparrow, 28; Slate-colored Junco, 62; Chipping Sparrow, 72; Field Sparrow, 92; White-crowned Sparrow, 3; White-throated Sparrow, 1772; Fox Sparrow, 10; Lincoln's Sparrow, 3; Swamp Sparrow, 424; Song Sparrow, 54. **Total,** 111 species; about 30,328 individuals. (Flocks of ducks continuously chased by motor boats; accurate estimates of numbers impossible.)—Fred J. Buchmann, John P. Gee, Van T. Harris, Dr. and Mrs. Robert W. Krebs, George H. Lowery, Jr., Mr. and Mrs. Robert B. Moore, Robert J. Newman (compiler), Thomas B. Pugh IV, J. Harvey Roberts.

366. **Shreveport, La.** (area mostly same as last years, but center now 3 miles south of Blanchard eliminating old Municipal Airport and adding part of Caddo Parish Penal Farm; open fields and pastures 30%, brushy fields and edges 27%, deciduous woods 20%, pine woods 12%, wooded lake 1%, open lake and ponds 10%).—Dec. 26; 4:45 a.m. to 5:30 p.m. Foggy to overcast; temp. 51° to 63°; wind NNE, 4-16 m.p.h. Six observers in 5 parties. Total party-hours, 46 (31 on foot, 12 by car, 3 in boat), total party-miles, 199 (32 on foot, 155 by car, 12 by boat). Common Loon, 3; **Eared Grebe, 16** (carefully identified); Pied-billed Grebe, 3; Double-crested Cormorant, 18; Great Blue Heron, 35; Am. Egret, 7; Black-crowned Night Heron, 1; Am. Bittern, 1; Mallard, 27; Am. Widgeon, 3; Green-winged Teal, 15; Shoveller, 4; Canvas-back, 560; Lesser Scaup, 2; Ruddy Duck, 145; Turkey Vulture, 18; Black Vulture, 8; Sharp-shinned Hawk, 2; Red-tailed Hawk, 10; Red-shouldered Hawk, 9; Marsh Hawk, 5; Sparrow Hawk, 10; Bob-white, 31; Am. Coot, 5; Killdeer, 163; Wilson's Snipe, 20; Least Sandpiper, 49; Herring Gull, 1; Ring-billed Gull, 353; Mourning Dove, 64; Road-runner, 1; Screech Owl, 2; Horned Owl, 3; Barred Owl, 7; Belted Kingfisher, 5; Yellow-shafted Flicker, 134; Pileated Woodpecker, 3; Red-bellied Woodpecker, 41; Red-headed Woodpecker, 5; Yellow-bellied Sapsucker, 17; Hairy Woodpecker, 8; Downy Woodpecker, 19; Red-cockaded Woodpecker, 7; Eastern Phoebe, 5; Blue Jay, 191; Am. Crow, 108; Carolina Chickadee, 76; Tufted Titmouse, 53; White-breasted Nuthatch, 5; Brown-headed Nuthatch, 25; Brown Creeper, 3; House Wren, 4; Winter Wren, 2; Bewick's Wren, 8; Carolina Wren, 81; **Short-billed Marsh Wren,** 7; Mockingbird, 75; Brown Thrasher, 39; Am. Robin, 93; Hermit Thrush, 25; Eastern Bluebird, 100; Golden-crowned Kinglet, 17; Ruby-crowned Kinglet, 53; Water Pipit, 45; Sprague's Pipit, 1; Cedar Waxwing, 18; Loggerhead Shrike, 38; Common Starling, 566; Orange-crowned Warbler, 2; Myrtle Warbler, 52; Pine Warbler, 61; House Sparrow, 111; Eastern Meadowlark, 418; Western Meadowlark, 3; Red-winged Blackbird, 838; Rusty Blackbird, 208; Brewer's Blackbird, 16; Purple Grackle, 651; Brown-headed Cowbird, 1225; Cardinal, 253; Purple Finch, 36; Am. Goldfinch, 30; [Eastern Towhee, 50 + Spotted Towhee, 3]; Savannah Sparrow, 119; Leconte's Sparrow, **56**; Vesper Sparrow, 2; Slate-colored Junco, 320; **Oregon Junco,** 1 (adult male); Chipping Sparrow, 41; Field Sparrow, 122; Harris's Sparrow, 1; White-crowned Sparrow, 3; White-throated Sparrow, 486; Fox Sparrow, 20; Lincoln's Sparrow, **15**; Swamp Sparrow, 41; Song Sparrow, 146; Smith's Longspur, 5. **Total,** 98 species (1 additional subspecies); about 8813 individuals. [Neat report, careful details submitted for all unusual observations—Ed.]—P. A. Daigre, G. Dale Hamilton, Horace H. Jeter (compiler), Mrs. Lewis Jones, O. C. Sheffield, James R. Stewart, Jr.

367. **Bismarck, N. Dak.** (same area as last year; deciduous bottomland 28%, mixed conifers and hardwoods at Experiment Station and tree nursery 33%, bottomland fields and meadows 10%, upland fields and prairies 16%, farmsteads and feed lots 6%, weed fields 4%, urban 3%).—Jan. 2; 8 a.m. to 5:30 p.m. Partly cloudy; temp. 12° to 32°; wind calm to NW, 14 m.p.h.; 5-in. snow, water frozen except small areas in current of Missouri River. Sixteen observers in 7 parties. Total party-hours, 26 (14 on foot, 12 by car); total party-miles, 177 (14 on foot, 163 by car). Mallard, 25; Rough-legged Hawk, 4; Prairie Falcon, 1; Sharp-tailed Grouse, 74; European Partridge, 11; Ring-necked Pheasant, 436; Horned Owl, 2; Short-eared Owl, 1; Yellow-shafted Flicker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 14; Horned Lark, 10; Blue Jay, 26; Am. Magpie, 23; Am. Crow, 3; Black-capped Chickadee, 95; White-breasted Nuthatch, 18; Am. Robin, 18; Golden-crowned Kinglet, 1; Bohemian Waxwing, 123; Cedar Waxwing, 8; Gray Shrike, 1; Common Starling, 401; House Sparrow, 928; **Brewer's Blackbird,** 1 (present for week); Cardinal, 1; Purple Finch, 1; Common Redpoll, 237; Pine Siskin, 14; Am. Goldfinch, 15; Slate-colored Junco, 35; Am. Tree Sparrow, 39; Snow Bunting, 1. **Total,** 33 species; about 2573 individuals. (Seen count period: **Goshawk,** Cooper's Hawk, Red-tailed Hawk, Marsh Hawk, **Prairie Chicken,** Mourning Dove, Snowy Owl, **Barred Owl,** Saw-whet Owl, Evening Grosbeak.)—R. L. Bagwell, I. G. Bue, B. A. Fashingbauer, E. G. Gahley, F. F. Griebenow, Vern Hagen, Jimmy Huss, Kenneth Johnson, Pearla Kapphahn, C. F. Knedel, W. A. Miller, H. R. Morgan, C. W. Moses, R. N. Randall (compiler), C. F. Simmons, Betty Stephens (Bismarck Bird Club).

368. Des Lacs National Wildlife Refuge, N. Dak. (Kenmare, same area as 1953).—Dec. 26; 8:30 a.m. to 5:30 p.m. Cloudy; temp. 18° to 20°; wind WSW to SE, 5 m.p.h.; ground with 6-12-in. crusted snow. Nineteen observers in 6 parties. Total party-hours, 38 (18 on foot, 20 by car and jeep); total party-miles, 439 (26 on foot, 413 by car and jeep). Sharp-tailed Grouse, 127; European Partridge, 214; Ring-necked Pheasant, 38; Horned Owl, 2; Snowy Owl, 3; Downy Woodpecker, 3; Horned Lark, 7; Am. Magpie, 31; Black-capped Chickadee, 40; Bohemian Waxwing, 28; Gray Shrike, 2; Common Starling, 37; House Sparrow, 527; Common Redpoll, 18; Snow Bunting, 275. **Total,** 15 species; about 1352 individuals.—George Bodmer, Herbert Bodmer, John Bodmer, Olive Bodmer, Kermit Dybsetter, Ann Gammell (compiler), Robert Gammell, Heath Gross, Robert Gross, Howard Huenecke, Alton Pederson, Rodli Pederson, Ruth A. Pederson, Ruth R. Pederson, Lyla Rytter, Russell Rytter, Viggo Rytter, Charlotte Thompson, Walter Thompson (Kenmare Bird Club).

369. Fargo, N. Dak.–Moorhead, Minn. (as last year, 7½-mile radius centering on Red River 4½ miles north of Fargo, including Red River Valley from Lindenwood Park, north to confluence of Red and Sheyenne Rivers, portions of both Sheyenne and Buffalo Rivers; flood plain deciduous growth 22%, agricultural land 45%, coniferous shelterbelt 7%, deciduous shelterbelt 9%, city parks and cemetery 6%, city 11%).—Dec. 28; 8 a.m. to 5:30 p.m. Cloudy to almost clear; temp. 7° to 0°; wind NNW, 30-18 m.p.h.; ground with 3-in. snow, deeper and drifted in sheltered places, many fields blown clear, rivers mostly frozen. Three observers in 1-3 parties. Total party-hours, 11 (6 on foot, 5 by car); total party-miles, 103 (7 on foot, 96 by car). European Partridge, 15; Ring-necked Pheasant, 17; Horned Owl, 1; Downy Woodpecker, 3; Black-capped Chickadee, 6; White-breasted Nuthatch, 5; Common Starling, 30; House Sparrow, 244; **Red-winged Blackbird, 4**; Common Redpoll, 9; Slate-colored Junco, 21; **Am. Tree Sparrow, 2**; **Harris's Sparrow, 3** (carefully identified—J.C., P.J.); Snow Bunting, 194; unidentified birds, 5. **Total,** 14 species; about 559 individuals.—J. Frank Cassel (compiler), Paul A. Johnsgard, Lois Lampe.

370. Grand Forks County, N. Dak. (7½-mile radius centered 1 mile north of Emerado, including Turtle River State Park, Arvilla village, the Kelly area; cultivated prairie, pasture and hay land 90%, deciduous timber and brush 5%, villages 5%).—Dec. 24; 8:30 a.m. to 5:30 p.m. Cloudy, clearing later; temp. 1° to 6°; wind NW, 15 m.p.h.; 8-in. snow on ground, water frozen except spots in Turtle River channel. Two observers in 1 party. Total party-hours, 8 (1½ on foot, 6½ by car); total party-miles, 98 (2 on foot, 96 by car). European Partridge, 11; Hairy Woodpecker, 1; Downy Woodpecker, 2; Black-capped Chickadee, 21; White-breasted Nuthatch, 4; House Sparrow, 68; Snow Bunting, 448. **Total,** 7 species; about 555 individuals.—Donald M. Murray, Lawrence Summers (compiler).

371. Lower Souris National Wildlife Refuge, N. Dak. (Refuge Headquarters to Upham, thence east across marsh to riverbottom between Dam I and Willow Creek; marsh 33%, meadow 33%, wooded riverbottom 34%).—Dec. 28; 8:30 a.m. to 4:30 p.m. Clear, later overcast; temp. 5° to 35°; wind 0-15 m.p.h.; ground with 12-20-in. snow, open water at Dam III. Two observers in 1 party. Total party-hours, 16 (14 on foot, 2 by car); total party-miles, 42 (12 on foot, 30 by car). Golden Eagle, 2; Sharp-tailed Grouse, 21; European Partridge, 21; Ring-necked Pheasant, 64; Downy Woodpecker, 1; Am. Magpie, 2; Black-capped Chickadee, 12; Bohemian Waxwing, 48; Common Starling, 4; House Sparrow, 44; Red-winged Blackbird, 19; Lapland Longspur, 7. **Total,** 12 species; 245 individuals. (Snowy Owl, Snow Bunting, Mallard seen count period).—John R. Frye (compiler).

372. Lacreek National Wildlife Refuge, S. Dak. (same area around Martin as previous years; marsh and reservoir 40%, meadow 35%, willow thickets 25%).—Jan. 1; 7 a.m. to 3 p.m. Cloudy, becoming clear mid-afternoon; temp. 30° to 39°; wind NW, 15-20 m.p.h.; scattered unmelted snow patches in thickets or shaded areas, pools frozen except small areas and channels below spillways. One observer. Total hours, 8 (4 on foot, 4 by car); total miles, 27 (3 on foot, 24 by car). Canada Goose, 75 (partly captive flock); Mallard, 9351; **Mallard × Pintail hybrid,** 1; Am. Golden-eye, 31; Rough-legged Hawk, 6; Golden Eagle, 5; Bald Eagle, 1; Marsh Hawk, 1; Prairie Falcon, 1; Ring-necked Pheasant, 81; Horned Owl, 1; Hairy Woodpecker, 2; Downy Woodpecker, 2; Horned Lark, 50; Am. Crow, 6; Black-capped Chickadee, 3; Gray Shrike, 1; House Sparrow, 3; Common Redpoll, 6; Am. Tree Sparrow, 15; Lapland Longspur, 903. **Total,** 20 species; about 10,544 individuals. (Am. Magpie seen count period).—Kenneth Krumm.

373. Madison, S. Dak. (7½-mile radius centering on Center and Egan Avenues, including Lake Madison, Long Lake, Lake Herman; plowed field 70%, pasture 20%, wild slough grass 5%, town suburb 5%).—Dec. 27; 8 a.m. to 5 p.m.; temp. 20° to 42°; wind NW, 10-15 m.p.h.; ground snow-covered, no open water. Two observers in 2 parties. Total party-hours, 14 (8 on foot, 6 by car); total party-miles, 288 (12 on foot, 276 by car). Sparrow Hawk, 3; European Partridge, 12; Ring-necked Pheasant, 1715; Burrowing Owl, 1; Yellow-shafted Flicker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 4; Horned Lark, 158; Blue Jay, 5; Am. Crow, 799; Black-capped Chickadee, 14; White-breasted Nuthatch, 4; Common Starling, 235; House Sparrow, 1102; Western Meadowlark, 1; Red-winged Blackbird, 1; Cardinal, 3; Slate-colored Junco, 108; Am. Tree Sparrow, 20; Lapland Longspur, 27; Snow Bunting, 3. **Total,** 21 species; about 4219 individuals.—Douglas O'Connell (compiler), Dwayne Pecks.

374. Rapid City, S. Dak. (7½-mile radius centering on Dinosaur Park, including Canyon Lake,

parts of Rapid and South Canyons, parts of Rapid and Spring Creek Valleys, extreme southern Meade County; Ponderosa Pine forests 42%, deciduous streambottoms 38%, grazed prairie 14%, reservoir and ponds 4%, cemetery 2%).—Dec. 26; 7 a.m. to 4:30 p.m. Clear; temp. 21° to 55°; wind S, average 9, maximum 19 m.p.h.; ground clear, water mostly open. Thirteen observers in 7 parties. Total party-hours, 34½ (27 on foot, 7½ by car); total party-miles, 175 (18 on foot, 157 by car). Mallard, 1023; **Lesser Scaup, 1**; Am. Golden-eye, 34; Rough-legged Hawk, 1; Golden Eagle, 2; hawk (sp.), 2; **Pigeon Hawk, 1** (carefully studied through 20 X scope); Ring-necked Pheasant, 10; Belted Kingfisher, 4; Red-shafted Flicker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 1; Blue Jay, 7; Am. Magpie, 23; Am. Crow, 5; Piñon Jay, **200;** Black-capped Chickadee, 79; White-breasted Nuthatch, 17; Red-breasted Nuthatch, 3; Brown Creeper, 5; Am. Dipper, 2; Townsend's Solitaire, 7; Gray Shrike, 2; Common Starling, 91; House Sparrow, 32; Evening Grosbeak, 6; Common Redpoll, 50; Am. Goldfinch, 30; Red Crossbill, 54; White-winged Crossbill, 8; White-winged Junco, 98; Slate-colored Junco, 3; Oregon Junco, 7; Am. Tree Sparrow, 5; Song Sparrow, 2. **Total,** 34 species; about 1820 individuals. (Seen in area count period: Gray Jay, Am. Robin, Golden-crowned Kinglet, Bohemian Waxwing, Pine Siskin.)—Gertrude Bachmann, Harry Behrens, Mrs. Roland Gray, Ronnie Gray, Mrs. A. L. Hyde, Mr. and Mrs. Ralph G. Mickle, Mrs. Charlotte G. Snyder, Richard K. Snyder, Dr. and Mrs. N. R. Whitney, Jr., Mr. and Mrs. L. B. Yarger.

375. Sand Lake National Wildlife Refuge, S. Dak. (Columbia, within 7½-mile radius centering at Refuge Building Site 3; deciduous shelterbelts 50%, plow land 20%, cattail-phragmites marsh 10%, pasture 15%, farm feed lots 5%).—Dec. 28; 8:15 a.m. to 5 p.m. Clear; temp. −13° to 15°; wind SW, 5 m.p.h. Five observers in 2 parties. Total party-hours, 16 (8 on foot, 8 by car); total party-miles, 30 (5 on foot, 25 by car). Canada Goose, 30; Mallard, 566; Sharp-shinned Hawk, 1; Rough-legged Hawk, 2; Greater Prairie Chicken, 2; Ring-necked Pheasant, 642; Horned Owl, 1; Yellow-shafted Flicker, 1; Horned Lark, 1; Black-capped Chickadee, 2; Am. Robin, 1; Common Starling, 79; House Sparrow, 336; Red-winged Blackbird, 166; Brewer's Blackbird, 2; Brown-headed Cowbird, 10; Am. Tree Sparrow, 58, **Total,** 17 species; about 1900 individuals.—Sand Lake Refuge, Howard D. Woon (compiler).

376. Sioux Falls, S. Dak. (7½-mile radius centered at Rice St. and Cliff Ave. including parks, cemeteries, Big Sioux River, Cactus Hills; deciduous wooded valley and hills 75%, town and parks 20%, farmland 5%).—Dec. 26; 8:30 a.m. to 4:30 p.m. Clear; temp. 9° to 28°; wind SE, 3 m.p.h.; 14-in. crusted snow, river and streams frozen except few open places. Fifteen observers in 6 parties. Total party-hours, 40 (30 on foot, 10 by car); total party-miles, 60 (10 on foot, 50 by car). Rough-legged Hawk, 2; Sparrow Hawk, 1; European Partridge, 15; Ring-necked Pheasant, 334; Mourning Dove, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 4; Hairy Woodpecker, 14; Downy Woodpecker, 34; Horned Lark, 16; Blue Jay, 16; Am. Crow, 65; Black-capped Chickadee, 329; White-breasted Nuthatch, 16; Red-breasted Nuthatch, 11; Brown Creeper, 5; Am. Robin, 1; Common Starling, 134; House Sparrow, 1200; Western Meadowlark, 7; Red-winged Blackbird, 6; Purple Grackle, 4; Cardinal, 31; Common Redpoll, 30; Pine Siskin, 5; Slate-colored Junco, 103; Oregon Junco, 1; Harris's Sparrow, 2. **Total,** 28 species; about 2388 individuals.—H. F. Chapman (compiler), Clifford Pay, Mark G. Wilson (Sioux Falls Audubon Society).

377. Waubay National Wildlife Refuge, S. Dak. (4651 acres, including entire refuge 9 miles north of Waubay; lakes and sloughs 50%, deciduous woodland 25%, agricultural land 10%, prairie and hay meadows 15%).—Jan. 2; 8 a.m. to 6 p.m. Clear; temp. 10° to 34°; wind NW, 10 m.p.h.; ground with 7-in. crusted snow, water areas frozen except springs and Spring Creek. Two observers in 2 parties. Total party-hours, 20 (16 on foot, 4 by car); total party-miles, 25 (10 on foot, 15 by car). Mallard, 10; Sharp-tailed Grouse, 3; Ring-necked Pheasant, 24; Screech Owl, 1; Horned Owl, 2; Hairy Woodpecker, 3; Downy Woodpecker, 5; Blue Jay, 3; Black-capped Chickadee, 18; White-breasted Nuthatch, 7; Brown Creeper, 9; Bohemian Waxwing, 17; Gray Shrike, 1; House Sparrow, 56; Red-winged Blackbird, 2; Common Redpoll, 250; Am. Tree Sparrow, 2. **Total,** 17 species; 413 individuals.—Edmund J. Fromelt, Jr., Carl E. Pospichal (compiler).

378. Yankton, S. Dak. (same area as last year).—Dec. 26; 7:30 a.m. to 6:30 p.m. Clear; temp. 30° to 38°; wind SE, 5 m.p.h.; 0-3-ft. snow, rivers frozen. Two observers in 1 party. Total party-hours, 11 (6 on foot, 5 by car); total party-miles, 51 (5 on foot, 46 by car). Marsh Hawk, 2; Ring-necked Pheasant, 40; Horned Owl, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 5; Hairy Woodpecker, 1; Downy Woodpecker, 5; Blue Jay, 2; Am. Crow, 36; Black-capped Chickadee, 20; Brown Creeper, 2; Gray Shrike, 1; Common Starling, 53; House Sparrow, 148; Western Meadowlark, 2; Cardinal, 8; Common Redpoll, 4; Slate-colored Junco, 28; Am. Tree Sparrow, 4; Harris's Sparrow, 1. **Total,** 20 species; about 366 individuals. (In area count period: Screech Owl, White-breasted Nuthatch.)—Mr. and Mrs. Willis Hall.

379. Beatrice, Nebr. (same area as previous years).—Dec. 26; 7:30 a.m. to 3:30 p.m. Cloudy to clear; temp. 35° to 40°; wind N, 6-8 m.p.h.; few snow banks, water frozen. Four observers in 2 parties. Total party-hours, 32 (6 on foot, 26 by car); total party-miles, 98 (8 on foot, 90 by car). **Canada Goose, 250**; Red-tailed Hawk, 2; Red-shouldered Hawk, 2; Marsh Hawk, 4; Sparrow Hawk, 4; Ring-necked Pheasant, 2; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 2; Red-headed Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 2; Horned Lark, 10; Blue Jay, 1;

Am. Crow, 89; Black-capped Chickadee, 85; White-breasted Nuthatch, 1; Brown Creeper, 3; **Brown Thrasher,** 1 (present over 1 week); Golden-crowned Kinglet, 3; Common Starling, 266; House Sparrow, 130; Western Meadowlark, 25; Cardinal, 8; House Finch, 40; Slate-colored Junco, 20; Am. Tree Sparrow, 110; Harris's Sparrow, 149; Lapland Longspur, 9. **Total,** 28 species; about 1223 individuals. [Exceptionally neat report accompanied by excellent details—ED.]—Vera Anderson (compiler), Mr. and Mrs. John Ramming, Mary Sturmer.

380. Crete, Nebr. (same area as 1948 and subsequent years).—Dec. 24; 6:30 a.m. to 5 p.m. Clear; temp. 27° to 48°; wind NE, 0-15 m.p.h.; some snow in drifts, ponds frozen, 95% of Blue River frozen. Two observers in 1 party. Total party-hours, 9 (5 on foot, 4 by car); total party-miles, 50 (10 on foot, 40 by car). Red-tailed Hawk, 2; Rough-legged Hawk, 1; Golden Eagle, 1; Marsh Hawk, 2; Sparrow Hawk, 5; Horned Owl, 5; Red-bellied Woodpecker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 4; Horned Lark, 54; Am. Crow, 33; Black-capped Chickadee, 17; White-breasted Nuthatch, 1; Brown Creeper, 1; Winter Wren, 1; Loggerhead Shrike, 2; Common Starling, 21; House Sparrow, 156; Western Meadowlark, 18; Cardinal, 3; Am. Goldfinch, 103; Slate-colored Junco, 8; Am. Tree Sparrow, 13; Harris's Sparrow, 11. **Total,** 24 species; 470 individuals. (Sixty days preceding count below normal in temperature, 8-in. snow early Dec.) [Neat careful report—ED.]—J. L. C. Rapp, W. F. Rapp, Jr. (compiler).

381. Grand Island, Nebr. (area same as last year).—Jan. 2; 8 a.m. to 5:30 p.m. Clear; temp. 23° to 52°; wind S to SW, 10-13 m.p.h.; ground mostly bare, some open water on ponds and river. Four observers in 1 party. Total party-hours, 8½ (6 on foot, 2½ by car); total party-miles, 49 (6 on foot, 43 by car). Rough-legged Hawk, 3; Sparrow Hawk, 1; Bob-white, 2; Ring-necked Pheasant, 1; Horned Owl, 2; Short-eared Owl, 1; Yellow-shafted Flicker, 6; Red-shafted Flicker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 15; Horned Lark, 2300; Am. Crow, 39; Black-capped Chickadee, 22; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 2; Brown Creeper, 3; Am. Robin, 207; Cedar Waxwing, 5; Common Starling, 462; House Sparrow, 150; Western Meadowlark, 5; Cardinal, 2; **Evening Grosbeak, 9**; Pine Siskin, 2; Am. Goldfinch, 1; Spotted Towhee, 1; Slate-colored Junco, 29; Am. Tree Sparrow, 66; Harris's Sparrow, 10; Lapland Longspur, **2300. Total,** 30 species; about 5652 individuals. (Seen in area count period: Mallard, Mourning Dove, Oregon Junco, Screech Owl, Common Redpoll.)—Verneil E. Griffin (compiler), Mrs. George Houser, Goodman K. Larson, P. H. Reese.

382. Halsey, Nebr. (area in Nebraska National Forest same as last 10 years).—Dec. 27; 8:30 a.m. to 5 p.m. Cloudy; temp. 31° to 44°; wind S, 6-8 m.p.h.; ground partly covered with snow. One observer. Total hours, 8½; total miles, 12 (all on foot). Sharp-tailed Grouse, 20; Ring-necked Pheasant, 1; Yellow-shafted Flicker, 2; Downy Woodpecker, 1; Am. Magpie, 1; Am. Crow, 11; Black-capped Chickadee, 17; Am. Robin, 12; Townsend's Solitaire, 8; Cardinal, 2; Purple Finch, 27; Pine Siskin, 12; Am. Goldfinch, 15; Slate-colored Junco, 8; Am. Tree Sparrow, 6. **Total,** 15 species; 143 individuals.—Carl E. Smith.

383. Hastings, Nebr. (Crystal Lake area, woodlands along Little Blue River, adjoining fields, city parks, Parkview Cemetery, shelter belts, open fields).—Dec. 29; 8 a.m. to 5 p.m. Cloudy; temp. 12° to 20°; wind N, 10-18 m.p.h.; little snow, river and lake partly frozen. Twelve observers in 4 parties. Total party-hours, 36 (12 on foot, 24 by car); total party-miles, 147 (16 on foot, 131 by car). Mallard, **440**; Shoveller, 3; Rough-legged Hawk, 8; Marsh Hawk, 18; Sparrow Hawk, 1; Ring-necked Pheasant, 1; Horned Owl, 4; Belted Kingfisher, 2; Yellow-shafted Flicker, 11; Red-shafted Flicker, 5; Red-bellied Woodpecker, 6; Hairy Woodpecker, 15; Downy Woodpecker, 14; Horned Lark, **1000**; Am. Crow, 36; Black-capped Chickadee, 100; White-breasted Nuthatch, 14; Red-breasted Nuthatch, 8; Brown Creeper, 4; Winter Wren, 5; **Mockingbird,** 1 (here over 1 month); Am. Robin, 200; Golden-crowned Kinglet, 2; Cedar Waxwing, 12; Common Starling, 100; House Sparrow, 500; Western Meadowlark, 35; Purple Grackle, 4; Cardinal, 14; Am. Goldfinch, 2; Slate-colored Junco, 100; Oregon Junco, 2; Am. Tree Sparrow, 110; Harris's Sparrow, 21; White-crowned Sparrow, 2; Song Sparrow, 30; Lapland Longspur, **500. Total,** 37 species; about 3330 individuals.—Mrs. R. R. Damerell, W. E. Eigsti, Ernest Erxleben, Carrie Hansen, Geraldine Heartwell, Mrs. A. M. Jones (compiler), Mrs. E. R. Maunder, Vera Maunder, Burton Nelson, Mrs. A. E. Olsen, James Reeves, Mrs. O. W. Ritchey (Brooking Bird Club).

384. Lincoln, Nebr. (7½-mile radius centering at 14th and A Streets; city and suburbs 20%, deciduous woods and brush 5%, salt flats 5%, stream banks 10%, open fields and farm lots 60%).—Jan. 1; 8 a.m. to 5 p.m. Partly cloudy to cloudy; temp. 25° to 29°; wind NE to N, 10-20 m.p.h.; ground bare, creeks partly open, ponds frozen. Twelve observers in 3 parties. Total party-hours, 24 (16 on foot, 8 by car); total party-miles, 105 (15 on foot, 90 by car). Mallard, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 3; Rough-legged Hawk, 3; Marsh Hawk, 2; Peregrine Falcon, 1; Sparrow Hawk, 3; Ring-necked Pheasant, 3; Horned Owl, 6; Long-eared Owl, 5; Yellow-shafted Flicker, 10; Red-bellied Woodpecker, 5; Hairy Woodpecker, 3; Downy Woodpecker, 34; Horned Lark, 50; Blue Jay, 18; Am. Crow, 493; Black-capped Chickadee, 102; Tufted Titmouse, 6; White-breasted Nuthatch, 21; Red-breasted Nuthatch, 3; Brown Creeper, 12; Winter Wren, 1; **Carolina Wren,** 1; Am. Robin, 3; Townsend's Solitaire, 1; Cedar Waxwing, 2; Common Starling, 168; House Sparrow, 228; Cardinal, 63; Am. Goldfinch, 10; Eastern Towhee, 1; Slate-colored

Junco, 197; Am. Tree Sparrow, 203; Harris's Sparrow, 46; Song Sparrow, 33. **Total,** 37 species; about 1744 individuals. (Seen during count period: Western Meadowlark, Pine Siskin, Red Crossbill, Oregon Junco.)—Henry E. Baumgarten, Mrs. W. A. Fleming, Mary Louise Hanson, Mrs. W. P. Irwin, Mr. and Mrs. L. N. Mills, C. G. Pritchard (compiler), Mr. and Mrs. G. A. Spidel, Mr. and Mrs. H. V. Whitmus, Don Williams (Audubon Naturalists' Club and University Place Bird Club).

385. Scottsbluff, Nebr. (Riverside Park, Riverview Golf Course west along river, north to Tub Springs, east to cemetery, northeast to lake country, south to Badlands, Gering Cemetery, adjoining fields and hills; pasture 25%, deciduous growth 35%, hilly country 20%, water 15%, town 5%).—Dec. 28; 7:30 a.m. to 4:30 p.m. Snow flurries; temp. 26° to 30°; wind NE, 4-22 m.p.h.; ponds frozen, lakes partly frozen. Eleven observers in 4 parties. Total party-hours, 28 (13 on foot, 15 by car); total party-miles, 151 (15 on foot, 136 by car). Mallard, 10,325; golden-eye (sp.), 2; Am. Merganser, 1; Turkey Vulture, 2 [no details, not underlined as unusual.—Ed.]; Rough-legged Hawk, 1; Marsh Hawk, 4; Bob-white, 10; Ring-necked Pheasant, 9; Killdeer, 1; Wilson's Snipe, 8; Horned Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Red-shafted Flicker, 25; Red-headed Woodpecker, 1 [no details—Ed.]; Hairy Woodpecker, 9; Downy Woodpecker, 18; Horned Lark, 1; Blue Jay, 2; Am. Magpie, 85; Am. Crow, 18; Black-capped Chickadee, 58; Red-breasted Nuthatch, 3; Brown Creeper, 3; Am. Robin, 36; Townsend's Solitaire, 3; Gray Shrike, 5; Common Starling, 318; House Sparrow, 280; Western Meadowlark, 12; Red-winged Blackbird, 600; Brewer's Blackbird, 6; Cassin's Finch, 6; Am. Goldfinch, 12; Slate-colored Junco, 85; Oregon Junco, 134 (74 Pink-sided); Am. Tree Sparrow, 50; White-crowned Sparrow, 61; **Song Sparrow, 9. Total,** 39 species (1 additional subspecies); about 12,207 individuals.—Mr. and Mrs. Frank Anderson, Mrs. J. W. Brashear, Jacqueline Etter, Mrs. C. F. Franzen, Alice Gentry, Mrs. M. A. J. Olson, Neal Reynolds, Mrs. John Robb, Mary Ann Wake (compiler), Mrs. Roy J. Witschy.

386. Valentine National Wildlife Refuge, Nebr. (area around Valentine same as in previous years).—Dec. 27; 8 a.m. to 5:30 p.m.; temp. 32° to 42°; wind NW, 15 m.p.h.; considerable snow in old drifts, ground mostly bare, lakes frozen, few spring holes open. One observer. Total hours, 9½ (2 on foot, 7½ by car); total miles, 43 (3 on foot, 40 by car). Canada Goose, 3; Mallard, 4; Cooper's Hawk, 1; Rough-legged Hawk, 7; Golden Eagle, 2; Bald Eagle, 1; Greater Prairie Chicken, 1; Sharp-tailed Grouse, 200; Bob-white, 3; Ring-necked Pheasant, 361; Horned Owl, 3; Short-eared Owl, 1; Yellow-shafted Flicker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 3; Horned Lark, 2; Am. Magpie, 4; Am. Crow, 2; Black-capped Chickadee, 3; Am. Robin, 3; Gray Shrike, 2; Common Starling, 58; House Sparrow, 35; Red-winged Blackbird, 14; Slate-colored Junco, 3; Oregon Junco, 4; Am. Tree Sparrow, 275. **Total,** 27 species; about 1018 individuals.—George L. Wiseman.

387. Baldwin, Kans. (7½-mile radius centering 2 miles north of junction of Highways 50 and 59, including Lone Star and Baldwin Lakes, Vinland Cemetery region; open farmland 44%, wooded creeks 21%, lake shores 18%, cedar groves 13%, town and suburbs 4%).—Dec. 26; 7:30 a.m. to 5:30 p.m. Cloudy to clear; temp. 34° to 50°; wind NE, 2 m.p.h.; lakes mostly frozen. Eighteen observers in 4 parties. Total party-hours, 34 (25¼ on foot, 8¾ by car); total party-miles, 191 (17 on foot, 174 by car). Great Blue Heron, 1; ducks (sp.), 200; Mallard, 1400; Pintail, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; **Red-tailed Hawk, 50; Harlan's Hawk, 5**; Rough-legged Hawk, 1; Marsh Hawk, 8; Sparrow Hawk, 5; Bob-white, 35; Mourning Dove, 75; Horned Owl, 3; Long-eared Owl, 10; **Short-eared Owl,** 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 30; Red-shafted Flicker, 1; Red-bellied Woodpecker, 25; Red-headed Woodpecker, 29; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 11; Downy Woodpecker, 40; Horned Lark, 81; Blue Jay, 88; Am. Crow, 205; Black-capped Chickadee, 94; Tufted Titmouse, 50; White-breasted Nuthatch, 8; Brown Creeper, 3; Winter Wren, 1; Carolina Wren, 22; Mockingbird, 1; Am. Robin, 143; Eastern Bluebird, 42; Golden-crowned Kinglet, 34; Cedar Waxwing, 17; Loggerhead Shrike, 6; Common Starling, 292; House Sparrow, 460; Eastern Meadowlark, 25; Western Meadowlark, 15; meadowlark (sp.), 151; Red-winged Blackbird, 60; Brewer's Blackbird, 1; Cardinal, 136; Purple Finch, 5; Pine Siskin, 9; Am. Goldfinch, 378; [Eastern Towhee, 3 + Spotted Towhee, 2]; Slate-colored Junco, 648; Am. Tree Sparrow, 596; Field Sparrow, 12; Harris's Sparrow, 170; White-crowned Sparrow, 11; White-throated Sparrow, 14; Swamp Sparrow, 1; Song Sparrow, 46; Lapland Longspur, 35. **Total,** 58 species (1 additional subspecies); about 5804 individuals. [Exceptionally neat careful report.—Ed.] (Seen during week: Ring-necked Duck.)—Amelia J. Betts (compiler), Mr. and Mrs. I. L. Boyd, Mr. and Mrs. T. A. Evans, Katharine Kelley, Mrs. Francis McKaughan, R. F. Miller; Darrel Craig, Michael Horn, Bob Broadfoot, Billy Betts, Bill Kapelle, Roger Boyd, Jim Deel, Merl Johnson, Johnny Harrison, Virgil Rice (Baldwin Bird Club, Troop 65 Boy Scouts).

388. Goddard, Kans. (area south of town, from Schulte west to Lake Afton and north to Goddard; woodland 25%, grassland 35%, stubble 30%, lake 10%).—Dec. 29; 8:30 a.m. to 5:30 p.m. Cloudy; temp. 23° to 26°; wind N to E, 10-35 m.p.h. Two observers in 1 party. Total party-hours, 9 (8 on foot, 1 by car); total party-miles, 26 (16 on foot, 10 by car). Am. Merganser, 22; Red-breasted Merganser, 20; Red-shouldered Hawk, 1; Marsh Hawk, 1; Yellow-shafted Flicker, 1; Red-shafted Flicker, 1; Downy Woodpecker, 2; Horned Lark, 154; Am. Crow, 51; Black-capped Chickadee, 8; Tufted Titmouse, 2; Common Starling, 568; House Sparrow, 355; meadowlark, (sp.), 32; Brewer's Blackbird, 1; Cardinal, 1; Am.

Goldfinch, 5; Slate-colored Junco, 26; Oregon Junco, 12; Am. Tree Sparrow, 63; Field Sparrow, 3; Harris's Sparrow, 2; Song Sparrow, 2; Lapland Longspur, 60. **Total,** 24 species; about 1393 individuals.—Edward Beals (compiler), Kirk Downing.

389. Halstead, Kans. (7½-mile radius centered 1 mile west of Halstead, including portions of Emma and Kissawa Creeks and Little Arkansas River; wooded creeks and river 53%, hedgerows 10%, open farmland and meadow 30%, weedy bottoms 6%, town and cemetery 1%).—Dec. 28; 7:30 a.m. to 5:40 p.m. Cloudy to clear, ground open; temp. 44° to 62°; wind S to N, 15-18 m.p.h.; streams open to thinly iced, ground open. Seven observers in 3 parties. Total party-hours, 26 (13 on foot, 13 by car); total party-miles, 146 (8 on foot, 138 by car). Mallard, 4; Cooper's Hawk, 1; Red-tailed Hawk, 21; Rough-legged Hawk, 20; Marsh Hawk, 3; Sparrow Hawk, 9; Bob-white, 7; Ring-necked Pheasant, 9; Horned Owl, 9; Yellow-shafted Flicker, 29; Red-shafted Flicker, 7; Red-bellied Woodpecker, 7; Hairy Woodpecker, 6; Downy Woodpecker, 65; Horned Lark, **3568**; Am. Crow, 374; Black-capped Chickadee, 105; Tufted Titmouse, 16; Brown Creeper, 5; Winter Wren, 2; Carolina Wren, 1; Am. Robin, 13; Eastern Bluebird, 1; Golden-crowned Kinglet, 6; Cedar Waxwing, 36; Loggerhead Shrike, 5; Common Starling, 459; House Sparrow, 577; Western Meadowlark, 176; Red-winged Blackbird, 1; Brewer's Blackbird, 36; Cardinal, 51; Am. Goldfinch, 22; Slate-colored Junco, 173; Oregon Junco, 2; Am. Tree Sparrow, 183; Harris's Sparrow, 115; Song Sparrow, 5; Lapland Longspur, 23. **Total,** 39 species; about 6152 individuals. (Seen during period: **Evening Grosbeak,** Mockingbird.)—Mrs. A. R. Challans, Marie Dettweiler, Mrs. Walton Goode, Ruth Rose, Alma K. Ruth, Edna Ruth (compiler), Mrs. Will Stein.

390. Hays, Kans. (campus of Ft. Hays Kansas State College, pasture and farmland near Hays, Hays Agricultural Experiment Station, banks of Saline River north of Hays).—Dec. 27; 7:30 a.m. to 5:30 p.m.; temp. 25° to 40°; wind SE, 5-15 m.p.h. Thirteen observers in 1 party. Total party-hours, 10 (9 on foot, 1 by car); total party-miles, 30 (10 on foot, 20 by car). Red-tailed Hawk, 1; Rough-legged Hawk, 2; Bald Eagle, 3; Marsh Hawk, 7; Prairie Falcon, 2; Sparrow Hawk, 4; Ring-necked Pheasant, 14; Screech Owl, 1; Horned Owl, 6; Short-eared Owl, 1; Belted Kingfisher, 1; Red-shafted Flicker, 2; Hairy Woodpecker, 5; Downy Woodpecker, 7; Horned Lark, 234; Am. Crow, 32; Black-capped Chickadee, 73; Brown Creeper, 1; Am. Robin, 2; Golden-crowned Kinglet, 19; Ruby-crowned Kinglet, 1; Common Starling, 65; House Sparrow, 250; Western Meadowlark, 93; Cardinal, 3; **Red Crossbill, 8** (4 competent observers); Lark Sparrow, 2; Slate-colored Junco, 208; Oregon Junco, 7; Am. Tree Sparrow, 78; Chipping Sparrow, 5; Field Sparrow, 3; Harris's Sparrow, 137; White-crowned Sparrow, 5; White-throated Sparrow, 2; Fox Sparrow, 2; Song Sparrow, 2. **Total,** 37 species; about 1288 individuals.—Charles Choguill, Harold Choguill, Mrs. Ralph Edwards, Bob Henderson, Edwin P. Martin (compiler), A. M. Schenk, Guido Smith, Emmett Stopher, John Stopher, Gerald Tomanek, Jess Vague, Myril Walker, Wesley Wikoff.

391. Lawrence, Kans. (same area as past years).—Dec. 26; 7:30 a.m. to 5 p.m. Partly cloudy; temp. 32° to 48°; wind E, 2-6 m.p.h.; ground dry, water open. Thirteen observers in 6 parties. Total party-hours, 49 (32 on foot, 17 by car); total party-miles, 179 (44 on foot, 135 by car). Mallard, 600; Gadwall, 4; Lesser Scaup, 4; Am. Golden-eye, 1; Am. Merganser, 4; Sharp-shinned Hawk, 1; Red-tailed Hawk, 48; Red-shouldered Hawk, 1; Rough-legged Hawk, 2; Marsh Hawk, 16; Sparrow Hawk, 18; Harlan's Hawk, 4; Bob-white, 31; Mourning Dove, 45; Horned Owl, 15; Barred Owl, 1; Long-eared Owl, 1; Short-eared Owl, 1; Yellow-shafted Flicker, 65; Red-shafted Flicker, 2; Red-bellied Woodpecker, 54; Red-headed Woodpecker, 34; Hairy Woodpecker, 23; Downy Woodpecker, 87; Horned Lark, 39; Blue Jay, 77; Am. Crow, 222; Black-capped Chickadee, 241; Tufted Titmouse, 75; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 2; Brown Creeper, 8; Carolina Wren, 25; Mockingbird, 1; Am. Robin, 38; Hermit Thrush, 1; Eastern Bluebird, 52; Golden-crowned Kinglet, 8; Loggerhead Shrike, 20; Common Starling, 600; House Sparrow, 780; meadowlark (sp.), 125; Red-winged Blackbird, 18; Brown-headed Cowbird, 2; Cardinal, 231; Pine Siskin, 2; Am. Goldfinch, 234; Spotted Towhee, 1; Slate-colored Junco, 231; Oregon Junco, 2; Am. Tree Sparrow, 642; Field Sparrow, 4; Harris's Sparrow, 67; White-crowned Sparrow, 6; White-throated Sparrow, 2; Song Sparrow, 78; Lapland Longspur, 40. **Total,** 57 species; about 4937 individuals.—Mrs. Ethan Allen, James W. Bee, Bert S. Chewning (compiler), Helen M. Chewning, Henry S. Fitch, Richard W. Fredrickson, Lenore French, Wess Hunn, Carol Martin, Ethel Martin, Mrs. John H. Nelson, Judy Willis, Mrs. Mabel Willis.

392. Linn County, Kans. (center 1 mile north and ¾ mile east of previous years).—Dec. 27; 6 a.m. to 5:30 p.m. Overcast to partly cloudy; temp. 32° to 50°; wind E, 15 m.p.h.; ground dry, shaded parts of streams and lakes frozen. Fourteen observers in 6 parties. Total party-hours, 46¾ (31 on foot, 15¾ by car); total party-miles, 114 (13 on foot, 101 by car). Mallard, 11,822; Pintail, 7; Wood Duck, 3; Cooper's Hawk, 1; Red-tailed Hawk, 28; Red-shouldered Hawk, 4; Rough-legged Hawk, 3; Marsh Hawk, 15; Peregrine Falcon, 1; Sparrow Hawk, 7; Bob-white, 53; Am. Coot, 4; Mourning Dove, 32; Horned Owl, 6; Barred Owl, 6; Belted Kingfisher, 1; Yellow-shafted Flicker, 37; Pileated Woodpecker, 3; Red-bellied Woodpecker, 51; Red-headed Woodpecker, 75; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 13; Downy Woodpecker, 51; Blue Jay, 127; Am. Crow, 125; Black-capped Chickadee, 95; Tufted Titmouse, 69; White-breasted Nuthatch, 13; Brown Creeper, 2; Carolina Wren, 20; Mockingbird, 4; Brown Thrasher, 1; Am. Robin, 189; Eastern Bluebird, 71; Golden-crowned Kinglet, 3; Ruby-crowned King-

let, 2; Loggerhead Shrike, 34; Common Starling, 173; House Sparrow, 150; meadowlark (sp.), 79; Red-winged Blackbird, 1343; Rusty Blackbird, 1016; Brewer's Blackbird, 1006; Purple Grackle, 153; Cardinal, 350; Purple Finch, 22; Pine Siskin, 2; Am. Goldfinch, 214; Eastern Towhee, 1; Savannah Sparrow, 11; Slate-colored Junco, 530; Oregon Junco, 19; Am. Tree Sparrow, 612; Chipping Sparrow, 6; Field Sparrow, 37; Harris's Sparrow, 174; White-crowned Sparrow, 26; White-throated Sparrow, 20; Fox Sparrow, 13; Lincoln's Sparrow, 4; Song Sparrow, 86. **Total,** 61 species; about 19,026 individuals. (Seen in area census week: Am. Merganser, **Broad-winged Hawk,** Killdeer, Barn Owl, Short-eared Owl, Red-shafted Flicker, Winter Wren, Swamp Sparrow.)—John S. Carr, Wilma Carr, Eunice Dingus (compiler), M. Ellen Dingus, Wilson J. Dingus, Ruth D. Fauhl, Blanche McCaslin, Wallace McCaslin, John H. Morse, Mary Morse, Marvin D. Schwilling, Rosetta Stevenson, Frank Wood, John Wood (Linn County Audubon Society).

393. **Manhattan, Kans.** (7½-mile radius centered on Kansas State College campus; town 5%, prairie 50%, farmland 25%, timber 20%).—Dec. 24; 6 a.m. to 6 p.m. Clear; temp. 25° to 50°; wind NNW, 5-15 m.p.h.; creeks and rivers partly frozen, no snow. Nine observers in 4 parties. Total party-hours, 30 (20 on foot, 10 by car); total party-miles, 80 (32 on foot, 48 by car). Canada Goose, 250; Cooper's Hawk, 2; Red-tailed Hawk, 4; Red-shouldered Hawk, 7; Rough-legged Hawk, 3; Marsh Hawk, 4; Sparrow Hawk, 1; Greater Prairie Chicken, 2; Mourning Dove, 16; Horned Owl, 3; Short-eared Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 9; Red-shafted Flicker, 1; Red-bellied Woodpecker, 19; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 10; Downy Woodpecker, 29; Horned Lark, 80; Blue Jay, 22; Am. Crow, 90; Black-capped Chickadee, 150; Tufted Titmouse, 73; White-breasted Nuthatch, 1; Brown Creeper, 3; Carolina Wren, 3; Am. Robin, 46; Eastern Bluebird, 28; Golden-crowned Kinglet, 3; Cedar Waxwing, 21; Loggerhead Shrike, 1; Common Starling, 48; House Sparrow, 82; meadowlark (sp.), 48; Red-winged Blackbird, 5; Brown-headed Cowbird, 22; Cardinal, 128; Purple Finch, 12; Pine Siskin, 26; Am. Goldfinch, 85; Spotted Towhee, 4; Slate-colored Junco, 162; Am. Tree Sparrow, 370; Harris's Sparrow, 20; White-crowned Sparrow, 1; Song Sparrow, 8. **Total,** 46 species; about 1907 individuals. —E. K. Beals, Frank Block, Philip Callahan, E. R. Lewis, Donald Gier, H. T. Gier, C. M. Fowler, Milton Ouye, Scott Searles.

394. **Olathe, Kans.** (7½-mile radius centering at junction of Highways 50 and 7, including Olathe Lake and Reservoir, Gardner Lake; wooded creeks and wasteland 53%, open fields and fencerows 32%, lake shore 15%).—Jan. 1; 7:30 a.m. to 5 p.m. Clear a.m., overcast p.m.; temp. 38° to 56°; wind S to NW, 12-30 m.p.h.; creeks and lakes partly frozen, ground dusty. Six observers in 2 parties. Total party-hours, 16 (11 on foot, 5 by car); total party-miles, 73 (9 on foot, 64 by car). Mallard, 47; Pintail, 1; Red-tailed Hawk, 14; Rough-legged Hawk, 1; Marsh Hawk, 9; Sparrow Hawk, 5; Killdeer, 1; Wilson's Snipe, 3; Mourning Dove, 65; Screech Owl, 1; Horned Owl, 4; Belted Kingfisher, 2; Yellow-shafted Flicker, 17; Red-shafted Flicker, 1; Red-bellied Woodpecker, 11; Red-headed Woodpecker, 5; Hairy Woodpecker, 7; Downy Woodpecker, 23; Horned Lark, 30; Blue Jay, 26; Am. Crow, 51; Black-capped Chickadee, 61; Tufted Titmouse, 27; Brown Creeper, 2; Winter Wren, 5; Carolina Wren, 16; Mockingbird, 2; Am. Robin, 72; Eastern Bluebird, 2; Loggerhead Shrike, 3; Common Starling, 181; House Sparrow, 384; meadowlark (sp.), 17; Red-winged Blackbird, 17; Rusty Blackbird, 475; Cardinal, 120; Pine Siskin, 7; Am. Goldfinch, 351; Slate-colored Junco, 272; Oregon Junco, 2; Am. Tree Sparrow, 1104; Harris's Sparrow, 57; White-crowned Sparrow, 5; Lincoln's Sparrow, 2; Song Sparrow, 28; **Lapland Longspur, 3800. Total,** 46 species; about 7336 individuals.—Amelia Betts, Ivan L. Boyd (compiler), Margaret F. Boyd, Jack Crane, Katharine Kelley, Ray Wackly.

395. **St. Marys, Kans.** (7½-mile radius centering on junction of Highways 24 and 63, including Kansas River from Belvue east to near Rossville, Pawnee Creek, old Kansas River bed just south of St. Marys; creek and riverbottoms, park and cemetery 50%, farmland 45%, Kansas River sand bars 5%).—Dec. 30; 7:30 a.m. to 5 p.m. Clear; temp. 10° to 35°; wind NW, 3-6 m.p.h.; ground dry, ponds frozen, creeks dry, Kansas River about 1/3 frozen with much ice floating downstream. Three observers in 2 parties. Total party-hours, 14½ (8½ on foot, 6 by car); total party-miles, 80 (12 on foot, 68 by car). Mallard, 650; Cooper's Hawk, 1; Red-tailed Hawk, 10; Marsh Hawk, 2; Sparrow Hawk, 1; Greater Prairie Chicken, 55; Bob-white, 26; Mourning Dove, 13; Horned Owl, 4; Barred Owl, 2; Yellow-shafted Flicker, 23; Red-shafted Flicker, 1; Red-bellied Woodpecker, 36; Hairy Woodpecker, 2; Downy Woodpecker, 25; Horned Lark, 40; Blue Jay, 11; Am. Crow, 32; Black-capped Chickadee, 106; Tufted Titmouse, 31; Brown Creeper, 1; Carolina Wren, 3; Am. Robin, 19; Eastern Bluebird, 7; Loggerhead Shrike, 1; Common Starling, 67; House Sparrow, 85; Eastern Meadowlark, 1; Western Meadowlark, 1; meadowlark (sp.), 6; Red-winged Blackbird, 212; Cardinal, 107; Pine Siskin, 11; Am. Goldfinch, 15; Slate-colored Junco, 93; Oregon Junco, 1 (Pink-sided); Am. Tree Sparrow, 336; Harris's Sparrow, 79; Song Sparrow, 4. **Total,** 38 species; about 2119 individuals. (Seen in area count period: Purple Grackle, White-crowned Sparrow, Smith's Longspur.)—D. Eugene Enos, Thomas A. Hoffman (compiler), Rev. James A. Mulligan.

396. **Topeka, Kans.** (7½-mile radius centering on State House, including Lake Shawnee, Shunganunga Creek, Gage Park, Rochester Cemetery, Municipal Airport; wooded areas 50%, grasslands 20%, shores and weed beds 30%).—Jan. 1; 7:30 a.m. to 5:30 p.m. Clear until noon, then overcast; temp. 39° to 50°; wind variable, 10-15 m.p.h.; ground dry, streams

open, lake surface 70% ice. Twenty-one observers in 7 parties. Total party-hours, 101; total party-miles, 201 (23 on foot, 178 by car). Canada Goose, 35; Mallard, 3600; Pintail, 1; Am. Golden-eye, 1; Am. Merganser, 70; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 14 (2 Western); Rough-legged Hawk, 1; Marsh Hawk, 5; Pigeon Hawk, 1; Sparrow Hawk, 4; Greater Prairie Chicken, 7; Bob-white, 32; Ring-necked Pheasant, 6; tern (sp.), 1; Mourning Dove, 50; Horned Owl, 4; Barred Owl, 1; Long-eared Owl, 2; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 16; Hairy Woodpecker, 4; Downy Woodpecker, 23; Horned Lark, 280 (4 Northern); Blue Jay, 16; Am. Crow, 87; Black-capped Chickadee, 48; Tufted Titmouse, 22; Red-breasted Nuthatch, 1; Brown Creeper, 6; Carolina Wren, 3; Brown Thrasher, 1; Am. Robin, 10; Eastern Bluebird, 2; Townsend's Solitaire, 1; Golden-crowned Kinglet, 1; Cedar Waxwing, 19; Loggerhead Shrike, 3; Common Starling, 580; House Sparrow, 420; meadowlark (sp.), 64; Red-winged Blackbird, 3; Purple Grackle, 1; Cardinal, 130; Pine Siskin, 6; Am. Goldfinch, 4; Spotted Towhee, 4; Savannah Sparrow, 1; Slate-colored Junco, 160; Oregon Junco, 1; Am. Tree Sparrow, 213; Field Sparrow, 1; Harris's Sparrow, 94; White-throated Sparrow, 1; Lincoln's Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 27. **Total,** 58 species (2 additional subspecies); about 6099 individuals. (Seen in area census period: Screech Owl, Red Crossbill.)—L. B. Carson (compiler), Elizabeth Fisher, Roberta Foote, Mr. and Mrs. Charles Franklin, Richard Harder, Thomas A. Hoffman, S.J., Mr. and Mrs. Charles H. Hogue, Grace Holcomb, Carl and David Holmes, Robert H. Kingman, Esther Miller, T. W. Nelson, Orville O. Rice, Beatrice Swenson, Joyce Thompson, Harold C. Williams, Mabel Willis, Muriel Young (Topeka Audubon Society).

397. Wichita, Kans. (15-mile diameter centered at junction of Big and Little Arkansas Rivers; city parks, river banks, sloughs, ponds, pastures, creeks, woods).—Dec. 26; 7:30 a.m. to 5:30 p.m.; temp. 38° average; wind NNW, 10 m.p.h. Sixteen observers in 2 parties. Total party-hours, 11 (8½ on foot, 2½ by car); total party-miles, 139 (10 on foot, 129 by car). Pintail, 1; Red-tailed Hawk, 5 (1 melanistic); Harlan's Hawk, 2; Marsh Hawk, 3; Sparrow Hawk, 9; Killdeer, 5; Wilson's Snipe, 16; Herring Gull, 1; Barred Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 5; Red-shafted Flicker, 1; Red-bellied Woodpecker, 5; Red-headed Woodpecker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 16; Horned Lark, 112; Blue Jay, 2; Am. Crow, 463; Black-capped Chickadee, 60; Carolina Chickadee, 1; Tufted Titmouse, 47; White-breasted Nuthatch, 3; Brown Creeper, 4; Carolina Wren, 9; Long-billed Marsh Wren, 1; Mockingbird, 1; Catbird, 1; Am. Robin, 1; Eastern Bluebird, 1; Townsend's Solitaire, 1; Golden-crowned Kinglet, 5; Loggerhead Shrike, 2; Common Starling, 1536; House Sparrow, 500; Eastern Meadowlark, 107; Western Meadowlark, 11; Red-winged Blackbird, 1; Brewer's Blackbird, 24; Cardinal, 17; Am. Goldfinch, 9; **Red Crossbill, 20**; Spotted Towhee, 1; Vesper Sparrow, 11; Slate-colored Junco, 127; Oregon Junco, 4; Am. Tree Sparrow, 74; Harris's Sparrow, 64; Song Sparrow, 14; McCowan's Longspur, **108**; Lapland Longspur, 52. **Total,** 51 species; about 3476 individuals (Screech Owl recorded count week.)—Ed Beals, Barbara Bullock, J. Walker Butin, Alice Davis, Kirk Downing, Jim Dresser, Mrs. Jim Dresser, Richard Elving, Margaret Hayes, Daniel Kilby (compiler), W. R. Moore, Mrs. W. R. Moore, June Rynders, Mrs. J. W. E. Stogsdill, Jennibelle Watson, Louise Watson.

398. Cleora, Okla. (15-mile diameter including Cleora, 2 miles south of McLaughlin Cemetery, Duck Creek, fresh-water inlet of Grand Lake, Perry Point, Chamberlin Cove on Hawthorne Hills).—Dec. 28; 7 a.m. to 5:30 p.m. Clear to cloudy; temp. 48° to 60°; wind S to SE, 10-20 m.p.h.; no frozen water. Four observers in 2 parties. Total party-hours, 37 (15 on foot, 14 by car, 8 at feeders); total party-miles, 113 (11 on foot, 102 by car). Great Blue Heron, 1; Mallard, 2; Black Duck, 3; Red-breasted Merganser, 16; Sharp-shinned Hawk, 2; Red-tailed Hawk, 2; Marsh Hawk, 3; Sparrow Hawk, 2; Ring-necked Pheasant, 1; Am. Coot, 2; Killdeer, 4; Herring Gull, 12; Ring-billed Gull, 53; Mourning Dove, 16; Yellow-shafted Flicker, 4; Pileated Woodpecker, 1; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 2; Blue Jay, 4; Am. Crow, 19; Carolina Chickadee, 31; Tufted Titmouse, 8; White-breasted Nuthatch, 8; Brown Creeper, 2; Bewick's Wren, 2; Carolina Wren, 5; Mockingbird, 3; Am. Robin, 65; Eastern Bluebird, 2; Loggerhead Shrike, 5; House Sparrow, 12; Eastern Meadowlark, 84; Rusty Blackbird, 20; Brown-headed Cowbird, 3; Cardinal, 16; Purple Finch, 2; Am. Goldfinch, 11; Slate-colored Junco, 21; Am. Tree Sparrow, 17; Field Sparrow, 1; Harris's Sparrow, 1; Song Sparrow, 8. **Total,** 45 species; about 489 individuals. (Seen in area count period: Horned Owl, Bob-white.)—Leo Chamberlin, Lula Chamberlin, David O. Kassing, Edith F. Kassing (compiler).

399. Fort Gibson Reservoir, Okla. (same area in Muskogee County as past 2 years; lake and river 30%, deciduous woodland 35%, open prairie 25%, agricultural 10%).—Dec. 26; 6 a.m. to 6 p.m. Clear a.m., overcast p.m.; temp. 44° to 62°; wind SSE, 0-5 m.p.h. Seven observers in 1-3 parties. Total party-hours, 22 (11 on foot, 7 by car, 4 by motorboat); total party-miles, 114 (9 on foot, 87 by car, 18 by boat). Horned Grebe, 7 (1 collected); Great Blue Heron, 8; Canada Goose, 71; Mallard, 7737; Pintail, 1; Green-winged Teal, 1 (banded); Am. Golden-eye, 75; Buffle-head, 7; Ruddy Duck, 2; Hooded Merganser, 3; Am. Merganser, 1200; **Red-breasted Merganser, 2** (A.H., B.H.); Turkey Vulture, 50; Red-tailed Hawk, 7 (1 Krider's); Bald Eagle, 11; Marsh Hawk, 22; **Prairie Falson,** 1 (B.H., J.N., V.T.); Sparrow Hawk, 5; **Greater Prairie Chicken, 30**; Am. Coot, 3; Killdeer, 5; Wilson's Snipe, 10; **Least Sandpiper,** 1 (carefully identified—B.H., J.N., V.T.); Herring Gull, 4; Ring-billed Gull, 1186; Mourning Dove, 5; Horned Owl, 5; Barred Owl, 7;

Short-eared Owl, 7; Belted Kingfisher, 2; Yellow-shafted Flicker, 19; Pileated Woodpecker, 5; Red-bellied Woodpecker, 16; Red-headed Woodpecker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 18; Horned Lark, 615; Blue Jay, 46; Am. Crow, 85; Carolina Chickadee, 35; Tufted Titmouse, 19; White-breasted Nuthatch, 6; Brown Creeper, 1; Winter Wren, 3; Bewick's Wren, 1; Carolina Wren, 39; Mockingbird, 11; Am. Robin, 76; Hermit Thrush, 1; Eastern Bluebird, 69; Ruby-crowned Kinglet, 2; Cedar Waxwing, 6; Loggerhead Shrike, 28; Common Starling, 315; House Sparrow, 296; Eastern Meadowlark, 56; Western Meadowlark, 33; meadowlark (sp.), 287; Red-winged Blackbird, 1100; Purple Grackle, 1; Brown-headed Cowbird, 10; Cardinal, 146; Purple Finch, 26; Am. Goldfinch, 65; Spotted Towhee, 6; Savannah Sparrow, 38; **Leconte's Sparrow, 9** (B.H., J.N., V.T.); Slate-colored Junco, 380; Am. Tree Sparrow, 190; Field Sparrow, 43; Harris's Sparrow, 160; White-crowned Sparrow, 15; White-throated Sparrow, 375; Fox Sparrow, 7; Lincoln's Sparrow, 5; Swamp Sparrow, 9; Song Sparrow, 128; Lapland Longspur, 33. **Total,** 77 species (1 additional subspecies); about 15,077 individuals. (Seen in area count period: Bob-white, Road-runner, Yellow-bellied Sapsucker, Rusty Blackbird.)--Charlotte Bebb, F. Bebb, M. R. Bebb, Al Hauser, Bill Heard, J. L. Norman (compiler), Vaud Travis, Jr.

400. Oklahoma City, Okla. (almost same area as past years; lakes and ponds 30%, deciduous woodlots 55%, parks and residential 5%, roadsides and open fields 10%).—Dec. 26; 7 a.m. to 6 p.m. Clear; temp. 29° to 55°; wind N to NW, 8-15 m.p.h.; no snow, water open. Twenty-three observers in 6 parties. Total party-hours, 52 (40 on foot, 12 by car); total party-miles, 266 (23 on foot, 243 by car). Pied-billed Grebe, 1; Great Blue Heron, 2; Mallard, 3000; Gadwall, 29; Pintail, 4; Redhead, 6; Canvas-back, 1; Lesser Scaup, 1; Am. Golden-eye, 7; Buffle-head, 2; Ruddy Duck, 3; **Hooded Merganser,** 1; Am. Merganser, 183; Cooper's Hawk, 1; Red-tailed Hawk, 7; Rough-legged Hawk, 3 (1 dark); buteo (sp.), 2; Marsh Hawk, 10; Sparrow Hawk, 7; Bob-white, 2; Killdeer, 11; Ring-billed Gull, 150; owl (sp.), 1 (probably Horned); Short-eared Owl, 1; Belted Kingfisher, 12; Yellow-shafted Flicker, 36; Red-shafted Flicker, 6; Red-bellied Woodpecker, 35; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 6; Downy Woodpecker, 41; Horned Lark, 56; Blue Jay, 39; Am. Crow, 158; Carolina Chickadee, 113; Tufted Titmouse, 46; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 1; Brown Creeper, 13; Bewick's Wren, 5; Carolina Wren, 17; Mockingbird, 10; Brown Thrasher, 3; Am. Robin, 142; Eastern Bluebird, 54; Golden-crowned Kinglet, 12; Ruby-crowned Kinglet, 1; Cedar Waxwing, 36; Loggerhead Shrike, 18; Common Starling, 236; Myrtle Warbler, 8; House Sparrow, 267; Eastern Meadowlark, 404; Western Meadowlark, 2; Red-winged Blackbird, 12; Brown-headed Cowbird, 12; Cardinal, 101; Purple Finch, 8; Am. Goldfinch, 117; **Red Crossbill, 14** (carefully studied); [Eastern Towhee, 1 + Spotted Towhee, 27]; Savannah Sparrow, 51; Slate-colored Junco, 88; Oregon Junco, 3 (**Pink-sided**); Am. Tree Sparrow, 70; Field Sparrow, 94; Harris's Sparrow, 303; White-crowned Sparrow, 2; White-throated Sparrow, 1; Fox Sparrow, 6; Song Sparrow, 63. **Total,** 70 species (2 additional subspecies); about 6186 individuals. (Seen in area count period: **Pigeon Hawk,** Horned Owl.)—Mary Edwards, Allen Greer, Phillip Griffing, David Harden, Bill Ishmael, Beth Kennedy, Wendell Long, Ed Martin, Irene Martin, Sam Moore, Tom Parker, Peter Russo, Petrina Russo, Eliot Stanley (compiler), Jim Street, Burrage Warner, Nick Wilson, Vic Vacin (Oklahoma City Audubon Society and Auchincloss Bird Club).

401. Salt Plains National Wildlife Refuge, Okla. (Jet, 7½-mile radius centering at Refuge Headquarters, including dam spillway and Salt Fork River, east side of lake north to State Fish Hatchery, south side to Lindsley Place, west side to west of Sand Creek; lake 50%, agricultural land 20%, deciduous woodland 30%).—Jan. 1; 7:30 a.m. to 5:30 p.m. Clear; temp. 35° to 48°; wind SW to NW, 5-30 m.p.h. Twenty-five observers in 3 parties. Total party-hours, 45 (11 on foot, 34 by car); total party-miles, 45. Great Blue Heron, 130; Canada Goose, 5000; Snow Goose, 8; Mallard, 15,000; **Black Duck,** 1; Green-winged Teal, 2; Blue-winged Teal, 2; Shoveller, 12; Ring-necked Duck, 1; Lesser Scaup, 32; Am. Golden-eye, 22; Buffle-head, 8; Am. Merganser, 1000; Red-tailed Hawk, 5; Golden Eagle, 8; Bald Eagle, 21; Marsh Hawk, 11; Sparrow Hawk, 4; Bob-white, 13; Ring-necked Pheasant, 1; Turkey, 7; Killdeer, 12; Wilson's Snipe, 2; Greater Yellow-legs, 3; Dowitcher, 5; Herring Gull, 40; Ring-billed Gull, 300; **Franklin's Gull,** 3; Mourning Dove, 26; Barn Owl, 7; Horned Owl, 2; Yellow-shafted Flicker, 9; Red-shafted Flicker, 10; Red-bellied Woodpecker, 4; Hairy Woodpecker, 1; Downy Woodpecker, 5; Horned Lark, 50; Blue Jay, 1; Am. Crow, 19; Carolina Chickadee, 8; Tufted Titmouse, 3; House Wren, 1; Carolina Wren, 1; Long-billed Marsh Wren, 1; Am. Robin, 25; Mountain Bluebird, 4; Loggerhead Shrike, 5; Common Starling, 80; House Sparrow, 10; Eastern and Western Meadowlark, 75; Red-winged Blackbird, 4500; Cardinal, 35; Am. Goldfinch, 1; Spotted Towhee, 4; Savannah Sparrow, 2; Lark Sparrow, 1; Slate-colored Junco, 50; Am. Tree Sparrow, 225; Field Sparrow, 49; Harris's Sparrow, 125; White-crowned Sparrow, 25; Song Sparrow, 35. **Total,** 62 species; about 27,052 individuals.—Mr. and Mrs. Joe C. Creager, Frank Pieratt, Scott Bucker, Clayt Marshall, Joan McAnully, Paul Nighswonger, Stanley Little, Florel Helema, Bess Smith, Albert, May and Corra Jeanette Goodwin, Strom and Madeline Lippert, Eunice Schuelke, Mr. and Mrs. Lyle Byfield, John B. Van den Akker (compiler), Gladys Patton, Gladys L. Burnham.

402. Spavinaw, Okla. (area same as past 2 years; open lake 20%, wooded creekbottoms 55%, oak-hickory hillsides 10%, fields and pastures 15%).—Jan. 2; 6 a.m. to 5 p.m. Clear; temp. 23° to 64°; wind calm. Three observers in 1 party. Total party-hours, 11 (8 on foot, 3 by car); total party-miles,

63 (7 on foot, 56 by car). Great Blue Heron, 8; Mallard, 260; Green-winged Teal, 4; Hooded Merganser, 3; Am. Merganser, 550; **Red-breasted Merganser, 2** (B.H.); Cooper's Hawk, 1; Red-tailed Hawk, 3; Bald Eagle, 3; Marsh Hawk, 2; Sparrow Hawk, 1; Bob-white, 26; Am. Coot, 135; Killdeer, 27; Wilson's Snipe, 5; Herring Gull, 2; Ring-billed Gull, 5; Mourning Dove, 1; Screech Owl, 1; Horned Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 16; Pileated Woodpecker, 6; Red-bellied Woodpecker, 30; Red-headed Woodpecker, 23; Hairy Woodpecker, 7; Downy Woodpecker, 21; Horned Lark, 96; Blue Jay, 32; Am. Crow, 36; Carolina Chickadee, 37; Tufted Titmouse, 25; White-breasted Nuthatch, 17; Brown Creeper, 5; Winter Wren, 5; Carolina Wren, 29; Mockingbird, 2; Am. Robin, 140; Hermit Thrush, 4; Eastern Bluebird, 69; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 1; Loggerhead Shrike 7; Common Starling, 4; House Sparrow, 235; Eastern Meadowlark, 13; Western Meadowlark, 3; meadowlark (sp.), 43; Red-winged Blackbird, 36; Cardinal, 72; **Evening Grosbeak, 15** (carefully studied by 3 observers); Purple Finch, 18; Am. Goldfinch, 270; Spotted Towhee, 5; Slate-colored Junco, 260; Am. Tree Sparrow, 31; Field Sparrow, 14; Harris's Sparrow, 6; White-crowned Sparrow, 7; White-throated Sparrow, 24; Song Sparrow, 36. **Total,** 60 species; about 2746 individuals.—Bill Heard, James Norman (compiler), Vaud Travis, Jr.

403. Stillwater, Okla. (same area as previous years).—Dec. 26; 6 a.m. to 5:30 p.m. Clear; temp. 28° to 56°; wind N, 0-5 m.p.h.; ponds and lake levels low to moderately low. Four observers in 2 parties. Total party-hours, 13 (10 on foot, 3 by car); total party-miles, 61 (10 on foot, 51 by car). Great Blue Heron, 2; Mallard, 200; Pintail, 1; Lesser Scaup, 7; Am. Merganser, 800; Cooper's Hawk, 1; Red-tailed Hawk, 5; Marsh Hawk, 6; Prairie Falcon, 1; Sparrow Hawk, 3; Bob-white, 37; Ring-billed Gull, 27; Horned Owl, 5; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 15; Red-shafted Flicker, 1; Red-bellied Woodpecker, 17; Red-headed Woodpecker, 15; Hairy Woodpecker, 6; Downy Woodpecker, 8; Horned Lark, 4; Blue Jay, 20; Am. Crow, 30; Carolina Chickadee, 20; Tufted Titmouse, 15; Brown Creeper, 9; Bewick's Wren, 3; Carolina Wren, 6; Mockingbird, 1; Am. Robin, 61; Eastern Bluebird, 21; Loggerhead Shrike, 4; Common Starling, 45; House Sparrow, 120; Eastern Meadowlark, 9+; Western Meadowlark, 215; meadowlark (sp.), 75; Red-winged Blackbird, 300; Rusty Blackbird, 31; Cardinal, 32; Purple Finch, 60; Am. Goldfinch, 150; [Eastern Towhee, 1 + Spotted Towhee, 3]; Savannah Sparrow, 2; Leconte's Sparrow, 4; Slate-colored Junco, 30; Oregon Junco, 1; Am. Tree Sparrow, 400; Field Sparrow, 6; Harris's Sparrow, 175; Song Sparrow, 70. **Total,** 51 species (1 additional subspecies); about 3083 individuals. (Seen during period: Lapland Longspur, Smith's Longspur, Chestnut-collared Longspur.)—F. M. Baumgartner (compiler), Mrs. F. M. Baumgartner, Mrs. Colly Hitt, Mrs. Grace Vickers (Payne County Audubon Society).

404. Tulsa, Okla. (extension of same area as 1947 and subsequent years, all within 7½-mile radius, centering at turn of highway east of reservoir in Mohawk Park; reservoir and small water areas 12%, elm-oak flood plains 28%, golf course and park 12%, cultivated fields 15%, hay meadows and pasture 33%).—Dec. 26; 6:30 a.m. to 5 p.m. Clear to heavy overcast; temp. 34° to 56°; wind S, 0-5 m.p.h.; Recreation Lake and lagoons dry except for small pools, plowed fields dusty. Twenty-four observers in 7 parties. Total party-hours, 57 (49 on foot, 8 by car); total party-miles, 122 (53 on foot, 69 by car). **Eared Grebe,** 1; Great Blue Heron, 13; Canada Goose, 7; Mallard, 717; Green-winged Teal, 1; Ring-necked Duck, 2; Am. Golden-eye, 6; Hooded Merganser, 8; Am. Merganser, 900; Cooper's Hawk, 1; Red-tailed Hawk, 6; Red-shouldered Hawk, 3; Rough-legged Hawk, 1; Bald Eagle, 2; Marsh Hawk, 11; Sparrow Hawk, 8; Bob-white, 31; Am. Coot, 2; Killdeer, 5; Wilson's Snipe, 8; Herring Gull, 7; Ring-billed Gull, 84; Mourning Dove, 5; Horned Owl, 2; Barred Owl, 3; Belted Kingfisher, 6; Yellow-shafted Flicker, 79; Pileated Woodpecker, 5; Red-bellied Woodpecker, 61; Red-headed Woodpecker, 74; Hairy Woodpecker, 17; Downy Woodpecker, 70; Horned Lark, 115; Blue Jay, 143; Am. Crow, 139; Carolina Chickadee, 163; Tufted Titmouse, 256; White-breasted Nuthatch, 39; Brown Creeper, 15; Winter Wren, 1; Carolina Wren, 49; Mockingbird, 9; Brown Thrasher, 2; Am. Robin, 26; Hermit Thrush, 2; Eastern Bluebird, 25; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 2; Cedar Waxwing, 30; Loggerhead Shrike, 11; Common Starling, 1387; House Sparrow, 373; Eastern Meadowlark, 211; Red-winged Blackbird, 16; Rusty Blackbird, 8; Brewer's Blackbird, 92; blackbirds (sp.), 75; Purple Grackle, 6; Brown-headed Cowbird, 1; Cardinal, 156; Purple Finch, 137; Am. Goldfinch, 147; [Eastern Towhee, 4 + Spotted Towhee, 26]; Vesper Sparrow, 19; Slate-colored Junco, 426; Am. Tree Sparrow, 225; Field Sparrow, 61; Harris's Sparrow, 115; White-crowned Sparrow, 4; White-throated Sparrow, 34; Fox Sparrow, 41; Lincoln's Sparrow, 5; Swamp Sparrow, 11; Song Sparrow, 555. **Total,** 73 species (1 additional subspecies); about 7311 individuals.—Mr. and Mrs. A. L. Caldwell, Lea Davis, Mr. and Mrs. Ernest Esst, Mabel Hagan, Letitia Johnston, Mr. and Mrs. David O. Kassing, Mrs. Ralph Kelting, Mr. and Mrs. Charles Kosier, Mrs. Orrin W. Letson, Orrin W. Letson (compiler), Mr. and Mrs. Bruce Reynolds, O. A. Smith, Mr. and Mrs. Harold C. Spore, Alfred Steitz, Jr., G. E. Tenney, John G. Newell, John S. Tomer, S. H. Watkins (Tulsa Audubon Society).

405. Wichita Mountains Wildlife Refuge, Okla. (Cache, 7½-mile radius centering on Refuge Headquarters, including French, Comanche, Grama, Thomas, Parker Lakes, southwest slope of Elk Mt., Fullingim Flat, Buffalo Springs, Cedar Creek, Pecan Springs; lakeshores 10%, creekbottoms 40%, oak hills 15%, prairie 35%).—Dec. 31; 7:15 a.m. to 6:15 p.m. Fifty per cent cloudy; temp. 20° to 50°; wind NW, 5-10 m.p.h.; lakes and ponds open. Three

observers in 2 parties. Total party-hours, 17 (3 on foot, 14 by car); total party-miles, 137 (7 on foot, 130 by car). Pied-billed Grebe, 5; Great Blue Heron, 1; Canada Goose, 24; Mallard, 593; Gadwall, 381; Pintail, 8; Green-winged Teal, 4; Redhead, 30; Ring-necked Duck, 453; Canvas-back, 50; Am. Golden-eye, 10; Buffle-head, 5; Hooded Merganser, 5; Am. Merganser, 5; Red-tailed Hawk, 2; Ferruginous Hawk, 3; Golden Eagle, 2; Bald Eagle, 7; Marsh Hawk, 6; Sparrow Hawk, 4; Turkey, 52; Am. Coot, 200; Ring-billed Gull, 1; Mourning Dove, 19; Road-runner, 1; Screech Owl, 2; Horned Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 14; Red-shafted Flicker, 29; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 3; Blue Jay, 81; Am. Crow, 248; Carolina Chickadee, 28; Tufted Titmouse, 28; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 2; Brown Creeper, 1; Bewick's Wren, 2; Carolina Wren, 2; Am. Robin, 2; Eastern Bluebird, 4; Mountain Bluebird, 9; Townsend's Solitaire, 1; Loggerhead Shrike, 2; Common Starling, 5500; Eastern Meadowlark, 187; Brewer's Blackbird, 345; Cardinal, 17; Purple Finch, 1; Pine Siskin, 7; Am. Goldfinch, 14; **Red Crossbill, 32** (new refuge record—E.G., L.M.); Spotted Towhee, 2; Savannah Sparrow, 2; Vesper Sparrow, 11; Slate-colored Junco, 181; Oregon Junco, 8; Am. Tree Sparrow, 122; Field Sparrow, 34; Harris's Sparrow, 180; Song Sparrow, 3; Chestnut-collared Longspur, 75. **Total,** 67 species; about 9064 individuals.—Ernest J. Greenwalt, Arthur F. Halloran (compiler), Loyal A. Mehrhoff.

406. Alice, Tex. (160 acres of virgin brush country at northwest corner of intersection of farm roads 1554 and 136, 6 miles southwest of Alice; thick brush, fields, no water).—Dec. 31; 6:30 a.m. to 7 p.m. Cloudy a.m., clearer p.m.; temp. 30° to 70°; wind N, 15 m.p.h. One observer. Total hours, 12½; total miles, 11 (all on foot). Great Blue Heron, 1; Turkey Vulture, 5; Red-tailed Hawk, 2; Harris's Hawk, 9; Marsh Hawk, 1; Audubon's Caracara, 2; Sparrow Hawk, 4; Bob-white, 20; Killdeer, 3; Mourning Dove, 167; Ground Dove, 174; Inca Dove, 12; Road-runner, 1; Yellow-shafted Flicker, 1; Golden-fronted Woodpecker, 14; Ladder-backed Woodpecker, 4; Eastern Phoebe, 4; Vermilion Flycatcher, 1; Verdin, 17; House Wren, 25; Bewick's Wren, 24; Cactus Wren, 1; Mockingbird, 314; Sennett's Thrasher, 1; Curve-billed Thrasher, 25; Am. Robin, **201**; **Eastern Bluebird,** 1; Blue-gray Gnatcatcher, 22; Ruby-crowned Kinglet, 16; Water Pipit, 41; Cedar Waxwing, 43; Loggerhead Shrike, 3; Common Starling, 391; White-eyed Vireo, 6; Orange-crowned Warbler, 9; Myrtle Warbler, 12; House Sparrow, 65; Western Meadow-lark, 1; Cardinal, 13; Pyrrhuloxia, 69; Am. Goldfinch, 76; Savannah Sparrow, 61; Vesper Sparrow, 23; Lark Sparrow, 28; Black-throated Sparrow, 43; Brewer's Sparrow, 25; Field Sparrow, 12; White-crowned Sparrow, 104; Lincoln's Sparrow, 2. **Total,** 49 species; about 2099 individuals.—Richard Albert.

407. Amarillo, Tex. (Palo Duro State Park as last year).—Jan. 2; 8 a.m. to 5 p.m. Clear, afternoon dusty; temp. 26° to 53°; wind SW, 0-2 m.p.h.; little water in streams, ice film early, drought conditions. Four observers in 1 party. Total party-hours, 12 (11 on foot, 1 by car); total party-miles, 55 (20 on foot, 35 by car). Sparrow Hawk, 3; Scaled Quail, 15; Road-runner, 1; Horned Owl, 1; Belted Kingfisher, 2; Golden-fronted Woodpecker, 9; Ladder-backed Woodpecker, 5; Black-crested Titmouse, 11; Bewick's Wren, 5; Rock Wren, 1; Am. Robin, 52; Mountain Bluebird, 2; Townsend's Solitaire, 11; Golden-crowned Kinglet, 14; Ruby-crowned Kinglet, 1; Cardinal, 17; Pine Siskin, 4; Am. Goldfinch, 4; Spotted Towhee, 2; Slate-colored Junco, 1; Oregon Junco, 149+; White-crowned Sparrow, 1; Song Sparrow, 4. **Total,** 23 species; over 315 individuals. (Golden Eagle seen count period.)—Mrs. I. D. Acord, Doyle Foreman, H. G. Gibson, Mrs. George Waddill (Texas Panhandle Audubon Society).

408. Aransas National Wildlife Refuge, Tex. (Austwell, 7½-mile radius centering near mid-point of Blackjack Peninsula, including all 47,000 acres of refuge; most of time spent along tidal flats, marshes and shoreline, lesser amount spent in interior).—Jan. 2; 8 a.m. to 5:30 p.m. Clear to partly cloudy; temp. 56° to 75°; wind SE, 5-10 m.p.h.; tide very low. Two observers in 2 parties. Total party-hours, 16; total party-miles, 100 (all by car). White Pelican, 217; Brown Pelican, 14; Double-crested Cormorant, 40; Olivaceous Cormorant, 15; Great Blue Heron, 32; Am. Egret, 11; Snowy Egret, 7; Reddish Egret, 3; Little Blue Heron, 1; Black-crowned Night Heron, 1; Canada Goose, 11,888; Snow Goose, 1586; Blue Goose, 85; Mallard, 1243; Mottled Duck, 20; Gadwall, 164; Am. Widgeon, 691; Pintail, 27,300; Green-winged Teal, 18; Shoveller, 178; Redhead, 300; Lesser Scaup, 495; Am. Golden-eye, 3; Buffle-head, 1; Turkey Vulture, 150; Black Vulture, 100; Sharp-shinned Hawk, 3; Red-tailed Hawk, 21; Bald Eagle, 2; Marsh Hawk, 11; Audubon's Caracara, 7; Sparrow Hawk, 44; Turkey, 44; Sandhill Crane, 188; **Whooping Crane, 16**; Killdeer, 48; Long-billed Curlew, 38; Willet, 10; Greater Yellow-legs, 11; Lesser Yellow-legs, 13; Dowitcher, 25; Herring Gull, 8; Ring-billed Gull, 4; Laughing Gull, 20; Black Skimmer, 80; Mourning Dove, 123; Horned Owl, 1; Yellow-shafted Flicker, 23; Ladder-backed Woodpecker, 3; Eastern Phoebe, 20; Horned Lark, 3; Mockingbird, 49; Am. Robin, 325; Eastern Bluebird, 4; Ruby-crowned Kinglet, 1; Water Pipit, 76; Loggerhead Shrike, 26; Common Starling, 81; Eastern Meadowlark, 139; Red-winged Blackbird, 2100; Brewer's Blackbird, 750; Boat-tailed Grackle, 3; Cardinal, 28; Vesper Sparrow, 32; Lark Sparrow, 1. **Total,** 65 species; about 48,944 individuals.—Joshua J. Harman (compiler), Julian A. Howard.

409. Austin, Tex. (same area as previous 2 years).—Jan. 2; 7 a.m. to 6 p.m. Clear; temp. 40° to 68°; wind WNW to S, 7 m.p.h.; ground very dry. Sixteen observers in 5 parties. Total party-hours, 40 (25 on foot, 15 by car); total party-miles,

165 (12 on foot, 153 by car). Eared Grebe, 1; Pied-billed Grebe, 23; Great Blue Heron, 4; **Green Heron,** 1 (first winter record); **Yellow-crowned Night Heron,** 1 (first winter record); Mallard, 2; Gadwall, 582; Am. Widgeon, 24; Pintail, 51; Green-winged Teal, 46; Shoveller, 26; Ring-necked Duck, 5; Canvas-back, 12; Lesser Scaup, 18; Turkey Vulture, 68; Black Vulture, 66; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 6; Red-shouldered Hawk, 1; Sparrow Hawk, 12; Am. Coot, 309; Killdeer, 20; Wilson's Snipe, 4; Spotted Sandpiper, 7; Ring-billed Gull, 13; Mourning Dove, 9; Inca Dove, 4; Road-runner, 1; Screech Owl, 1; Belted Kingfisher, 14; Yellow-shafted Flicker, 9; Red-shafted Flicker, 7; Red-bellied Woodpecker, 18; Golden-fronted Woodpecker, 3; Yellow-bellied Sapsucker, 4; Downy Woodpecker, 1; Ladder-backed Woodpecker, 17; Eastern Phoebe, 8; Blue Jay, 39; Am. Crow, 12; Carolina Chickadee, 42; Black-crested Titmouse, 56; Brown Creeper, 12; House Wren, 4; Winter Wren, 5; Bewick's Wren, 46; Carolina Wren, 23; Long-billed Marsh Wren, 1; Cañon Wren, 5; Rock Wren, 4; Mockingbird, 67; Am. Robin, 836; Hermit Thrush, 9; Eastern Bluebird, 33; Mountain Bluebird, 2; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 45; Water Pipit, 2; Cedar Waxwing, 1496; Loggerhead Shrike, 4; Common Starling, 73; Myrtle Warbler, 75; Common Yellowthroat, 4; House Sparrow, 290; Eastern Meadowlark, 1; Western Meadowlark, 11; Red-winged Blackbird, 89; Boat-tailed Grackle, 882; Brown-headed Cowbird, 51; Cardinal, 177; Purple Finch, 8; House Finch, 76; Pine Siskin, 1; Am. Goldfinch, 175; Lesser Goldfinch, 9; Spotted Towhee, 30; Vesper Sparrow, 4; Lark Sparrow, 24; Rufous-crowned Sparrow, 7; Slate-colored Junco, 73; Field Sparrow, 205; Harris's Sparrow, 4; White-crowned Sparrow, 5; White-throated Sparrow, 7; Lincoln's Sparrow, 17; Song Sparrow, 18. **Total,** 87 species; about 6462 individuals. (Seen in area count period: Orange-crowned Warbler, **Black-capped Warbler.**)—Mr. and Mrs. W. D. Anderson, George Bickler, Mr. and Mrs. Ralph A. Bickler, Frances J. Gillotti, Margaret Louise Hill, Robert E. Hollingsworth, William S. Jennings, Mr. and Mrs. Bert W. Lindsay, Emma Leta Purcell, Mrs. Henry J. Thaxton, A. M. Vaughan, Ada Marie Webster, Fred S. Webster, Jr. (compiler) (Travis Audubon Society).

410. Big Spring, Tex. (same area as last year).—Dec. 26; 8 a.m. to 6 p.m. Clear; temp. 58° to 83°; wind N to S, 2-10 m.p.h.; dry. Four observers in 2 parties. Total party-hours, 16 (7 on foot, 9 by car); total party-miles, 78 (4 on foot, 74 by car). Pied-billed Grebe, 4; Am. Widgeon, 175; Red-tailed Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 3; Scaled Quail, 3; Sandhill Crane, 21; Killdeer, 8; Wilson's Snipe, 2; Greater Yellow-legs, 4; Mourning Dove, 2; Belted Kingfisher, 1; Red-shafted Flicker, 1; Ladder-backed Woodpecker, 2; White-necked Raven, 2; Black-crested Titmouse, 2; Verdin, 3; House Wren, 1; Bewick's Wren, 2; Cactus Wren, 5; Cañon Wren, 1; Rock Wren, 6; Mockingbird, 44; Am. Robin, 9; Eastern Bluebird, 7; Mountain Bluebird, 17; Blue-gray Gnatcatcher, 3; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 2; Water Pipit, 51; Cedar Waxwing, 55; Loggerhead Shrike, 15; Myrtle Warbler, 5; House Sparrow, 42; Western Meadowlark, 8; Brown-headed Cowbird, 2; Cardinal, 49; Pyrrhuloxia, 5; House Finch, 8; Am. Goldfinch, 17; Spotted Towhee, 6; Brown Towhee, 9; Lark Bunting, 36; Savannah Sparrow, 1; Oregon Junco, 2; Field Sparrow, 2; White-crowned Sparrow, 112; Song Sparrow, 13. **Total,** 48 species; about 774 individuals.—Margret Galley, Anne LeSassier, Frances Williams (compiler), Harold Williams.

411. Coleman, Tex. (15-mile diameter from Coleman to 3 miles west of Glen Cove; grassland 10%, lakeshore 5%, deciduous brush and trees 45%, limestone slopes 15%, cultivated fields 15%, mesquite-cactus brushland 10%).—Dec. 27; 7:30 a.m. to 5:30 p.m. Clear; temp. 42° to 71°; wind S to SW, 12-20 m.p.h.; very dry from drought. Two observers in 1 party. Total party-hours, 20 (15 on foot, 5 by car); total party-miles, 104 (8 on foot, 96 by car). Horned Grebe, 2; Pied-billed Grebe, 6; Great Blue Heron, 1; Pintail, 1; Shoveller, 10; Redhead, 1; Ring-necked Duck, 10; Ruddy Duck, 5; Turkey Vulture, 2; Red-tailed Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Am. Coot, 159; Killdeer, 6; Baird's Sandpiper, 4 [not recorded in U. S. last count, no details—Ed.]; Semipalmated Sandpiper, 12; Mourning Dove, 9; Road-runner, 1; Belted Kingfisher, 1; Red-shafted Flicker, 2; Ladder-backed Woodpecker, 3; Black-crested Titmouse, 9; Bewick's Wren, 6; Long-billed Marsh Wren, 3; Rock Wren, 1; Mockingbird, 19; Am. Robin, **303**; Eastern Bluebird, 6; Mountain Bluebird, 33; Ruby-crowned Kinglet, 4; Water Pipit, 1; Sprague's Pipit, 19; Cedar Waxwing, 9; Loggerhead Shrike, 17; Common Starling, 21; **Nashville Warbler,** 1; Myrtle Warbler, 4; Common Yellowthroat, 1; House Sparrow, 126; Western Meadowlark, 174; Cardinal, 39; Am. Goldfinch, 69; Spotted Towhee, 5; Lark Bunting, 53; Savannah Sparrow, 19; Vesper Sparrow, 35; Lark Sparrow, 7; Slate-colored Junco, 46; Field Sparrow, 67; White-crowned Sparrow, 112; Lincoln's Sparrow, 2; Song Sparrow, 5. **Total,** 52 species; about 1454 individuals. (Seen in area official count period: Canvas-back, Am. Merganser, Black Vulture, Bob-white, Horned Owl, Golden-fronted Woodpecker, Common Raven, Red-winged Blackbird, Brown-headed Cowbird, House Finch.)—Mrs. C. F. Blanton, Mrs. Marcus V. Durham (compiler).

412. Commerce, Tex. (same area as in 1953).—Dec. 27; 7:30 a.m. to 5 p.m. Cloudy a.m.; clear p.m.; temp. 50° to 75°; wind NE, 5-10 m.p.h. Two observers in 1 party. Total party-hours, 14 (13 on foot, 1 by car); total party-miles, 25 (15 on foot, 10 by car). Pied-billed Grebe, 2; Great Blue Heron, 2; Mallard, 89; Ring-necked Duck, 13; Lesser Scaup, 14; Turkey Vulture, 14; Red-tailed Hawk, 4; Marsh Hawk, 3; Sparrow Hawk, 2; Bob-white, 14; Killdeer, 6; Wilson's Snipe, 5; Least Sandpiper, 2; Mourning Dove, 277; Barred Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 6; Pileated Woodpecker, 1;

Red-bellied Woodpecker, 10; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 5; Downy Woodpecker, 12; Blue Jay, 13; Am. Crow, 83; Carolina Chickadee, 37; Tufted Titmouse, 19; Brown Creeper, 5; Winter Wren, 3; Bewick's Wren, 1; Carolina Wren, 6; Mockingbird, 9; Brown Thrasher, 5; Am. Robin, 5; Hermit Thrush, 3; Eastern Bluebird, 24; Ruby-crowned Kinglet, 1; Water Pipit, 2; Loggerhead Shrike, 10; Common Starling, 268; House Sparrow, 16; Eastern Meadowlark, 47; Western Meadowlark, 1; Brown-headed Cowbird, 10; Cardinal, 150; Purple Finch, 159; Am. Goldfinch, 226; Savannah Sparrow, 84; Vesper Sparrow, 60; Lark Sparrow, 3; Slate-colored Junco, 295; Field Sparrow, 34; Harris's Sparrow, 160; White-crowned Sparrow, 13; White-throated Sparrow, 13; Fox Sparrow, 40; Lincoln's Sparrow, 4; Song Sparrow, 5. **Total,** 57 species; about 2302 individuals.—Guy Marlow (compiler), Fielding Griggs.

413. Dallas, Tex. (7½-mile radius centering on campus of Southern Methodist University, including west, north and east shores of White Rock Lake, Fish Hatchery, country roads north of Dallas, Turtle Creek, Bachman Lake; lakeshore, cattail marsh and creeks 70%, deciduous farm woodlots and pasture 15%, parks and residential 15%).—Dec. 31; 7 a.m. to 6 p.m. Partly cloudy to cloudy; temp. 28° to 57°; wind S to NW, 5-15 m.p.h.; ground very dry, water open; 1955 driest year in Dallas County in 42 years! Lakes at record lows, many creeks dry. Twelve observers in 3 parties. Total party-hours, 16 (5½ on foot, 10½ by car); total party-miles, 83 (5 on foot, 78 by car). Pied-billed Grebe, 24; Great Blue Heron, 4; Black-crowned Night Heron, 1; Yellow-crowned Night Heron, 2; Canada Goose, 11; Mallard, 528; Am. Widgeon, 20; Pintail, 104; Green-winged Teal, 84; Shoveller, 4; Redhead, 6; Ring-necked Duck, 14; Canvas-back, 68; Lesser Scaup, 31; Am. Merganser, 2; Turkey Vulture, 1; Sharp-shinned Hawk, 2; Red-tailed Hawk, 5 (1 melanistic or Harlan's Hawk); Marsh Hawk, 2; **Peregrine Falcon,** 1; **Pigeon Hawk,** 1 (carefully identified); Sparrow Hawk, 6; Bob-white, 10; Am. Coot, 133; Killdeer, 76; Wilson's Snipe, 1; Semipalmated Sandpiper, 71; Ring-billed Gull, 6; Franklin's Gull, 11; tern, 2 (Royal or Caspian); Belted Kingfisher, 4; Yellow-shafted Flicker, 14; Red-shafted Flicker, 3; Red-bellied Woodpecker, 12; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 17; empidonax (sp.), 1 [reported as Least—Ed.]; Blue Jay, 21; Am. Crow, 48; Carolina Chickadee, 39; Tufted Titmouse, 25; Brown Creeper, 5; Bewick's Wren, 1; Carolina Wren, 5; Mockingbird, 35; Brown Thrasher, 3; Am. Robin, 103; Eastern Bluebird, 22; Ruby-crowned Kinglet, 2; Cedar Waxwing, 11; Loggerhead Shrike, 12; Common Starling, 1388; Myrtle Warbler, 4; House Sparrow, 94; Eastern Meadowlark, 107; Red-winged Blackbird, 5272; **Boat-tailed Grackle, 155**; Purple Grackle, 305; Cardinal, 57; Purple Finch, 8; Am. Goldfinch, 12; Spotted Towhee, 6; Savannah Sparrow, 35; Slate-colored Junco, 48; Field Sparrow, 7; Harris's Sparrow, 16; White-crowned Sparrow, 1; White-throated Sparrow, 41; Fox Sparrow, 12; Song Sparrow, 17. **Total,** 70 species; about 9200 individuals.—Edward C. Fritz, Rosabel Harris, Margaret Hitzmann, Mrs. Harold Lichten, Mrs. Robert L. Lichten, Mr. and Mrs. Murray Marshall (compilers), C. E. McIntire, S. M. Melton, Geth Osborn, Robert M. Row, Eula E. Whitehouse (Dallas Audubon Society).

414. Del Rio, Tex. (same area as last year; grassy park 11%, willow-cottonwood grove 4%, underbrush and thickets 20%, cattail and rivercane marsh 5%, irrigated farmland 5%, limestone canyons 25%, artificial lake 10%, desert 20%).—Jan. 1; 7:30 a.m. to 6 p.m. Low-hanging overcast; temp. 55° to 80°; wind E to NE, 0-5 m.p.h.; water open. Eight observers in 3 parties. Total party-hours, 30 (10 on foot, 12 by car, 8 by boat); total party-miles, 103 (12 on foot, 84 by car, 7 by boat). Eared Grebe, 2; Pied-billed Grebe, 3; Double-crested Cormorant, 1; Great Blue Heron, 6; Am. Widgeon, 19; Green-winged Teal, 3; Am. Golden-eye, 1; Hooded Merganser, 6; Black Vulture, 17; Sharp-shinned Hawk, 1; Red-tailed Hawk, 7; **Red-shouldered Hawk,** 1 (carefully identified); **Swainson's Hawk,** 1 (carefully identified); Marsh Hawk, 2; Sparrow Hawk, 3; Bob-white, 1; Am. Coot, 21; Killdeer, 31; Spotted Sandpiper, 2; Greater Yellow-legs, 1; Dowitcher, 2; Western Sandpiper, 27; Mourning Dove, 320; Ground Dove, 1; Inca Dove, 12; Road-runner, 3; Horned Owl, 1; Belted Kingfisher, 2; Green Kingfisher, 2; Yellow-shafted Flicker, 2; Red-shafted Flicker, 8; Golden-fronted Woodpecker, 15; Yellow-bellied Sapsucker, 5; Ladder-backed Woodpecker, 9; Ash-throated Flycatcher, 1; Eastern Phoebe, 5; Black Phoebe, 19; **Couch's Kingbird 2** [careful, complete unquestionable details submitted—Ed.]; Vermilion Flycatcher, 11; Black-crested Titmouse, 8; Verdin, 7; Brown Creeper, 4; House Wren, 2; Bewick's Wren, 14; Carolina Wren, 2; Cactus Wren, 1; Long-billed Marsh Wren, 1; Cañon Wren, 3; Rock Wren, 6; Mockingbird, 106; Sennett's Thrasher, 1; Am. Robin, 139; Eastern Bluebird, 13; Ruby-crowned Kinglet, 20; Water Pipit, 191; Cedar Waxwing, 200; Loggerhead Shrike, 7; Common Starling, 467; **Solitary Vireo,** 1; Orange-crowned Warbler, 3; Myrtle Warbler, 305; Audubon's Warbler, 10; Common Yellow-throat, 12; House Sparrow, 255; Western Meadowlark, 9; Red-winged Blackbird, 9; Brewer's Blackbird, 195; Boat-tailed Grackle, 682; Cardinal, 51; Pyrrhuloxia, 16; **Purple Finch, 10** (carefully identified); House Finch, 9; Am. Goldfinch, 105; Lesser Goldfinch, 25; Spotted Towhee, 2; Brown Towhee, 1; Vesper Sparrow, 1; Black-throated Sparrow, 8; White-crowned Sparrow, 113; Lincoln's Sparrow, 3; Song Sparrow, 10. **Total,** 81 species; about 3602 individuals.—Walter Ammon, Charles Gaines, Carrie Holcomb, Ruth Moorman, Norma Oates, Leota Stilwell, Frances Williams (compiler), Harold Williams.

415. Denton, Tex. (7½-mile radius centering 7 miles southeast of Denton, including Lake Dallas and Garza-Little Elm Reservoir; lake shore 10%, deciduous creekbottoms 60%, scattered woodlands 10%, open fields and pastures 20%).—Jan. 2; 7:30

a.m. to 5:30 p.m. Clear; temp. 30° to 65°; wind SE, 1-3 m.p.h. Six observers in 2 parties. Total party-hours, 20 (15 on foot, 5 by car); total party-miles, 115 (5 on foot, 110 by car). **White Pelican,** 1; Great Blue Heron, **56**; Mallard, 6; Gadwall, 1; Pintail, 1; Blue-winged Teal, 1; Shoveller, 4; Redhead, 20; Turkey Vulture, 9; Sharp-shinned Hawk, 1; Red-tailed Hawk, 14; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 11; Harlan's Hawk, 1; Am. Coot, 31; Killdeer, 38; Wilson's Snipe, 2; Least Sandpiper, 20; Ring-billed Gull, 6; Mourning Dove, 61; Road-runner, 2; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 4; Red-shafted Flicker, 3; **Pileated Woodpecker, 2**; Red-bellied Woodpecker, 7; Hairy Woodpecker, 2; Downy Woodpecker, 9; Eastern Phoebe, 2; Horned Lark, 5; Blue Jay, 31; Am. Crow, 248; Carolina Chickadee, 31; Tufted Titmouse, 6; Brown Creeper, 2; House Wren, 1; Bewick's Wren, 3; Carolina Wren, 3; Mockingbird, 17; Brown Thrasher, 1; Am. Robin, 26; Hermit Thrush, 1; Eastern Bluebird, 28; Water Pipit, 22; Loggerhead Shrike, 11; Common Starling, 760; Myrtle Warbler, 1; House Sparrow, 75; Eastern Meadowlark, 55; Western Meadowlark, 69; Red-winged Blackbird, 8; Brown-headed Cowbird, 2; Cardinal, 160; Purple Finch, 31; **Pine Siskin,** 1; Am. Goldfinch, 278; Spotted Towhee, 13; Savannah Sparrow, 1; Vesper Sparrow, 19; Slate-colored Junco, 65; Oregon Junco, 2; Field Sparrow, 113; Harris's Sparrow, 179; White-crowned Sparrow, 1; White-throated Sparrow, 7; Fox Sparrow, 2; Song Sparrow, 8. **Total,** 70 species; about 2606 individuals. (Seen in area count period: Lesser Scaup.)—Viola Hamilton, Mrs. John Kostelec, Bobby Pulich, Warren Pulich, Kent Rylander (compiler), Roddy Rylander.

416. Eagle Pass, Tex. (7-mile radius centering 2 miles southeast of El Indio; banks of Rio Grande and dense riverbottom 50%, irrigated fields 20%, open brush, mesquite 30%).—Dec. 26; 8 a.m. to 6:30 p.m. Clear; temp. 60° to 78°; no wind. Six observers in 2 parties. Total party-hours, 10½; total party-miles, 52 (4 on foot, 48 by car). Least Grebe, 13; Great Blue Heron, 2; Gadwall, 2; Am. Widgeon, 8; Pintail, 19; Green-winged Teal, 1; Blue-winged Teal, 1; Shoveller, 6; Redhead, 3; Canvas-back, 1; Greater Scaup, 1; Ruddy Duck, 6; Turkey Vulture, 4; Black Vulture, 3; Cooper's Hawk, 1; Red-tailed Hawk, 9; Harris's Hawk, 13; Marsh Hawk, 14; Pigeon Hawk, 1; Sparrow Hawk, 13; Bob-white 21; Scaled Quail, 12; Sandhill Crane, 15; Am. Coot, 251; Killdeer, 11; Wilson's Snipe, 1; Least Sandpiper, 36; Mourning Dove, 722; Ground Dove, 18; Road-runner, 2; Barn Owl, 3; Horned Owl, 3; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Red-shafted Flicker, 4; Golden-fronted Woodpecker, 7; Ladder-backed Woodpecker, 8; Ash-throated Flycatcher, 1; Eastern Phoebe, 6; Black Phoebe, 2; Say's Phoebe, 14; Vermilion Flycatcher, 12; Black-crested Titmouse, 1; Verdin, 17; Cactus Wren, 2; Mockingbird, 33; Sennett's Thrasher, 2; Curve-billed Thrasher, 2; Am. Robin, 6; Eastern Bluebird, 12; Western Bluebird, 2; Blue-gray Gnatcatcher, 2; Ruby-crowned Kinglet, 2; Water Pipit, 450; Sprague's Pipit, 50; Loggerhead Shrike, 24; Common Starling, 105; Myrtle Warbler, 30; Audubon's Warbler, 1; House Sparrow, 7; Eastern Meadowlark, 144; Red-winged Blackbird, 268; Brewer's Blackbird, 400; Boat-tailed Grackle, 43; Brown-headed Cowbird, 1192; Cardinal, 18; Pyrrhuloxia, 50; House Finch, 3; Am. Goldfinch, 7; Lesser Goldfinch, 2; Texas Sparrow, 3; Green-tailed Towhee, 1; Savannah Sparrow, 50; Baird's Sparrow, 1; Vesper Sparrow, 125; Lark Sparrow, 91; Black-throated Sparrow, 12; White-crowned Sparrow, 91; Song Sparrow, 8. **Total,** 79 species; about 4530 individuals. —Mrs. Royce A. Drake, Mrs. Walter O. Fitch, Jack Keisling, Mrs. Jack Keisling, Shirley Sherman, Mrs. Dorothy O. Worrell (compiler).

417. El Paso, Tex. (7½-mile radius centering on Scenic Drive, including Memorial Park, Ascarate Park, Sunrise Acres, Rio Grande River levee and valley; river bosque 15%, desert sandhills 33%, city park 25%, artificial lake 7%, levee and valley farmland 20%).—Dec. 31; 7 a.m. to 4:45 p.m. Cloudy to 10 a.m., intermittent sun to 3 p.m., hazy; temp. 44° to 55°; wind NNE to NNW, 7-6 m.p.h. Nine observers in 6 parties. Total party-hours, 28 (17 on foot, 11 by car); total party-miles, 107 (19 on foot, 88 by car). Pied-billed Grebe, 9; Great Blue Heron, 1; Green Heron, 1; Mallard, 39; Gadwall, 43; Am. Widgeon, 172; Pintail, 2; Green-winged Teal, 24; Shoveller, 2; Canvas-back, 50; Am. Merganser, 1; Turkey Vulture, 1; Cooper's Hawk, 2; Red-tailed Hawk, 4; Marsh Hawk, 1; Sparrow Hawk, 15; Scaled Quail, 19; Gambel's Quail, 157; Florida Gallinule, 4; Am. Coot, 226; Wilson's Snipe, 1; Mourning Dove, 40; Road-runner, 3; Belted Kingfisher, 2; Red-shafted Flicker, 31; Black Phoebe, 1; Say's Phoebe, 4; Scrub Jay, 8; Plain Titmouse, 1; Red-breasted Nuthatch, 2; Pygmy Nuthatch, 11; House Wren, 2; Cactus Wren, 1; Rock Wren, 8; Mockingbird, 3; Crissal Thrasher, 2; Am. Robin, 7; Hermit Thrush, 1; Western Bluebird, 50; Ruby-crowned Kinglet, 6; Water Pipit, 1; Cedar Waxwing, 50; Phainopepla, 1; Loggerhead Shrike, 12; Common Starling, 31; Audubon's Warbler, 4; House Sparrow, 111; Western Meadowlark, 1; Yellow-headed Blackbird, 765; Red-winged Blackbird, 1040; **Bullock's Oriole,** 1 (wintering in Johnson garden); Brewer's Blackbird, 614; Boat-tailed Grackle, 530; Brown-headed Cowbird, 6; House Finch, 66; Am. Goldfinch, 1; Lesser Goldfinch, 10; Red Crossbill, 4; Green-tailed Towhee, 3; Spotted Towhee, 11; Lark Bunting, 200; Savannah Sparrow, 2; Baird's Sparrow, 15; Lark Sparrow, 1; Black-throated Sparrow, 13; Sage Sparrow, 2; Oregon Junco, 120 (2 races); Gray-headed Junco, 34; Chipping Sparrow, 13; White-crowned Sparrow, 549; Song Sparrow, 4. **Total,** 71 species (1 additional subspecies); about 5171 individuals. (Seen in area count week: Sage Thrasher, Ring-billed Gull.)—Mrs. J. Owen Allen, Roy Allen, Mr. and Mrs. D. T. Johnson, Mary Belle Keefer, Mrs. Lena McBee, Ethel Nobel, Chester Stewart, R. Jack Stewart (El Paso Audubon Society).

418. Fort Worth, Tex. (same area as last year, 7½-mile radius centering on Federal Fish Cultural

Station, including Lake Worth and Rockwood, Trinity, Forest Parks).—Dec. 26; 7:30 a.m. to 4:30 p.m. Clear; temp. 38° to 64°; wind S to SW, 6 m.p.h. Seventeen observers in 4 parties. Total party-hours, 31 (23 on foot, 8 by car); total party-miles, 103 (55 on foot, 48 by car). Pied-billed Grebe, 12; Double-crested Cormorant, 1; Mallard, 22; Gadwall, 17; Am. Widgeon, 68; Pintail, 1; Green-winged Teal, 6; Blue-winged Teal, 5; Shoveller, 4; Redhead, 2; Ring-necked Duck, 6; Canvas-back, 7; Lesser Scaup, 14; Turkey Vulture, 34; Black Vulture, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 10; Harlan's Hawk, 2; Am. Coot, 15; Killdeer, 41; Wilson's Snipe, 31; Least Sandpiper, 95; Herring Gull, 5; Ring-billed Gull, 1; Franklin's Gull, 1; Mourning Dove, 48; Road-runner, 1; Barred Owl, 1; Belted Kingfisher, 10; Yellow-shafted Flicker, 16; Red-shafted Flicker, 5; Red-bellied Woodpecker, 26; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 11; Hairy Woodpecker, 8; Downy Woodpecker, 16; Ladder-backed Woodpecker, 1; Blue Jay, 74; Am. Crow, 40; Carolina Chickadee, 101; Tufted Titmouse, 60; White-breasted Nuthatch, 5; Brown Creeper, 12; Bewick's Wren, 6; Carolina Wren, 33; Long-billed Marsh Wren, 1; Mockingbird, 32; Brown Thrasher, 3; Am. Robin, 40; Hermit Thrush, 1; Eastern Blue bird, 50; **Townsend's Solitaire,** 1 (W.P.); Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 10; Cedar Waxwing, 50; Loggerhead Shrike, 8; Common Starling, 105,977; Myrtle Warbler, 16; House Sparrow, 478; Eastern Meadowlark, 30; Red-winged Blackbird, 350,516; Rusty Blackbird, 5100; Boat-tailed Grackle, 500; Purple Grackle, 2005; Brown-headed Cowbird, 95,150; Cardinal, 231; Purple Finch, 3; Pine Siskin, 2; Am. Goldfinch, 219; Spotted Towhee, 53; Savannah Sparrow, 4; Slate-colored Junco, 239; Oregon Junco, 1; Am. Tree Sparrow, 1; Field Sparrow, 66; Harris's Sparrow, 123; White-crowned Sparrow, 1; White-throated Sparrow, 30; Fox Sparrow, 3; Lincoln's Sparrow, 17; Song Sparrow, 50. **Total,** 86 species; about 561,898 individuals. —Mr. and Mrs. George S. Adams, Margaret Adams, Mrs. Virginia Anderson, Sister Saint Andrew, Mrs. Walter R. Bauguess, Monty Burns, Mrs. J. E. Casstevens, Mrs. Ruth Harrison, Sister Maureen, Mrs. G. W. Parker, Jr., Mr. and Mrs. S. A. Passmore, Warren M. Pulich, Jr., Warren M. Pulich, Sr. (compiler), Elizabeth Stagg, Topper Turner (Fort Worth Audubon Society).

419. Galveston Island, Tex. (same area as last year; grassy prairies with scattered fresh-water pools 60%, dry prairies and golf courses 10%, Tamarisk and Live Oak thickets 15%, beach and bay shores 15%).—Dec. 26; 7 a.m. to 8 p.m.; temp. 61° to 75°; wind 0-3 m.p.h.; ponds unusually scarce and dry. Three observers in 1 party. Total party-hours, 12 (1 on foot, 11 by car); total party-miles, 96 (3 on foot, 93 by car). Common Loon, 2; Eared Grebe, 10; Pied-billed Grebe, 13; White Pelican, 42; Brown Pelican, 25; Double-crested Cormorant, 12; Great Blue Heron, 14; Am. Egret, 10; Snowy Egret, 30; Louisiana Heron, 6; Black-crowned Night Heron, 1; White Ibis, 50; Snow Goose, 7; Blue Goose, 5; Gadwall, 15; Am. Widgeon, 80; Pintail, 300; Green-winged Teal, 1; Shoveller, 7; Canvas-back, 16; Lesser Scaup, 40; Am. Golden-eye, 1; Ruddy Duck, 2; duck (sp.), 600; Red-tailed Hawk, 1; Marsh Hawk, 16; Sparrow, Hawk, 8; Bob-white, 1; Am. Coot, 200; Piping Plover, 4; Snowy Plover, 2; Ringed Plover, 2; Killdeer, 46; Black-bellied Plover, 15; Ruddy Turnstone, 6; Wilson's Snipe, 8; Long-billed Curlew, 15; Hudsonian Curlew, 2; Spotted Sandpiper, 1; Willet, 14; Greater Yellow-legs, 2; Lesser Yellow-legs, 2; Least Sandpiper, 1; Red-backed Sandpiper, 22; Dowitcher, 40; Semipalmated Sandpiper, 45; Marbled Godwit, 5; Sanderling, 85; Am. Avocet, 3; Herring Gull, 60; Ring-billed Gull, 150; Laughing Gull, 50; Gull-billed Tern, 2; Forster's Tern, 3; Common Tern, 1; Royal Tern, 5; Caspian Tern, 1; Mourning Dove, 47; Inca Dove, 10; Barn Owl, 1; **Burrowing Owl,** 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 13; Red-bellied Woodpecker, 1; Eastern Phoebe, 3; Horned Lark, 100; House Wren, 1; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 1; Mockingbird, 25; Brown Thrasher, 3; Am. Robin, 400; Ruby-crowned Kinglet, 1; Water Pipit, 50; Cedar Waxwing, 5; Loggerhead Shrike, 25; Common Starling, 200; Myrtle Warbler, 5; Common Yellowthroat, 1; House Sparrow, 500; Eastern Meadowlark, 40; Red-winged Blackbird, 200; Orchard Oriole, 1 [no details—Ed.]; Rusty Blackbird, 10; Brewer's Blackbird, 2; Boat-tailed Grackle, 3; Brown-headed Cowbird, 30; Cardinal, 8; Savannah Sparrow, 9; Grasshopper Sparrow, 1; Swamp Sparrow, 7; Song Sparrow, 10. **Total,** 91 species; about 3824 individuals. (Seen during official period: Peregrine Falcon, Reddish Egret, Little Blue Heron, Redhead, Virginia Rail, Yellow-bellied Sapsucker, White-faced Ibis, Black Skimmer.)—Charles E. Hall (compiler), Mrs. Octavia Hall, John Hildebrand.

420. Houston, Tex. (same area as in 1939 and subsequent counts).—Dec. 31; 5:45 a.m. to 8 p.m. Clear; temp. 38° to 59°; wind NE, 8-15 m.p.h. Twenty-four observers in 6 parties. Total party-hours, 64 (35½ on foot, 28 by car, ½ by boat); total party-miles, 333¼ (44 on foot, 289 by car, ¼ by boat). Pied-billed Grebe, 60; White Pelican, 35; Brown Pelican, 7; Double-crested Cormorant, 31; Water-turkey, 2; Great Blue Heron, 25; Am. Egret, 89; Snowy Egret, 44; Louisiana Heron, 6; Little Blue Heron, 8; Black-crowned Night Heron, 1; Yellow-crowned Night Heron, 3; Am. Bittern, 2; Canada Goose, 2; Mallard, 27; Mottled Duck, 20; Gadwall, 47; Am. Widgeon, 6; Pintail, 228; Green-winged Teal, 80; Blue-winged Teal, 27; Shoveller, 26; **Wood Duck,** 3; Redhead, 1; Ring-necked Duck, 5; Lesser Scaup, 84; duck (sp.), 500+; Ruddy Duck, 11; Turkey Vulture, 58; Black Vulture, 51; Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-tailed Hawk, 24; Red-shouldered Hawk, 20; **Rough-legged Hawk,** 1; Marsh Hawk, 22; Peregrine Falcon, 1; Pigeon Hawk, 1; Sparrow Hawk, 54; **Florida Gallinule,** 3; Am. Coot, 168; Killdeer, 216; Black-bellied Plover, 5; Am. Woodcock, 1; Wilson's Snipe, 8;

Long-billed Curlew, 20; Spotted Sandpiper, 4; Willet, 6; Greater Yellow-legs, 13; Lesser Yellow-legs, 6; Least Sandpiper, 1; Dowitcher, 20; Western Sandpiper, 217; Am. Avocet, 44; Herring Gull, 102; Ring-billed Gull, 574; Laughing Gull, 91; Gull-billed Tern, 7; Forster's Tern, 8; **Least Tern, 4** (carefully studied by 5 observers); Royal Tern, 25; Caspian Tern, 7; Black Skimmer, 5; Mourning Dove, 67; Screech Owl, 1; Barred Owl, 6; **Whip-poor-will,** 1; Belted Kingfisher, 17; Yellow-shafted Flicker, 115; **Red-shafted Flicker, 1**; Pileated Woodpecker, **20**; Red-bellied Woodpecker, 18; Red-headed Woodpecker, 30; Yellow-bellied Sapsucker, 25; Hairy Woodpecker, 1; Downy Woodpecker, 7; Eastern Phoebe, 48; Vermilion Flycatcher, 2; Blue Jay, 160; Am. Crow, 154; Carolina Chickadee, 110; Tufted Titmouse, 81; **Red-breasted Nuthatch, 2**; Brown-headed Nuthatch, 10; Brown Creeper, 5; House Wren, 11; Winter Wren, 4; Carolina Wren, 96; Long-billed Marsh Wren, 6; Short-billed Marsh Wren, 5; Mockingbird, 241; Catbird, 2; Brown Thrasher, **146**; Am. Robin, 676; **Wood Thrush, 1**; **Gray-cheeked Thrush,** 1 [careful details submitted for last 2 remarkable thrushes.—Ed.]; Hermit Thrush, 30; Eastern Bluebird, 124; Blue-gray Gnatcatcher, 52; Ruby-crowned Kinglet, 112; Water Pipit, 163; Sprague's Pipit, 16; Cedar Waxwing, 39; Loggerhead Shrike, 141; Common Starling, 1023; White-eyed Vireo, 1; Black and White Warbler, 1; Orange-crowned Warbler , 23; Myrtle Warbler, 420; Pine Warbler, 24; **Palm Warbler,** 1 (Yellow); Common Yellowthroat, 4; **Yellow-breasted Chat,** 1; House Sparrow, 123; Eastern Meadowlark, 256; **Western Meadowlark, 12**; Red-winged Blackbird, 487; Brewer's Blackbird, 7242; Boat-tailed Grackle, 18; Purple Grackle, 96; Brown-headed Cowbird, 1435; blackbird (sp.), 115; Cardinal, 233; Purple Finch, 13; Am. Goldfinch, 842; [Eastern Towhee, 2 + **Spotted Towhee,** 1]; Savannah Sparrow, 96; **Baird's Sparrow, 2**; **Leconte's Sparrow,** 1; **Sharp-tailed Sparrow,** 6; Vesper Sparrow, 3; Slate-colored Junco, 1; Chipping Sparrow, 21; Field Sparrow, 15; White-crowned Sparrow, 16; White-throated Sparrow, 660+; Fox Sparrow, 4; Lincoln's Sparrow, 49; Swamp Sparrow, 21; Song Sparrow, 8. **Total,** 138 species (1 additional subspecies); over 19,194 individuals. [Very careful details submitted for all unusual observations—Ed.] (Species seen official count period: **Eastern Kingbird,** 20 minutes at 50 ft.; **Magnolia Warbler,** all field marks clearly seen.)—Jerry Baker, Mr. L. A. M. Barnette, Mrs. L. A. M. Barnette, Sid Barnette, Luta Buchanan, C. E. Buehner, Nance Cunningham, Mr. Clayton B. Gilman, Mrs. Clayton B. Gilman, Conrad Deats, Werner H. Gottsch, Joe M. Heiser, Jr., Harriet Hunt, Mabel Kaiser, Darris Massingill, Jimmy Murray, Noel Perley (compiler), Mac Ramsey, Lawrence Tabony, Sam Tanner, Katrina Thompson, Josephine Wilkin, Steve Williams, Ella Wolfer (Outdoor Nature Club).

421. Laguna Atascosa National Wildlife Refuge, Tex. (San Benito, same area as last year).—Dec. 31; 6 a.m. to 7 p.m. Cloudy morning, clear afternoon; temp 49° to 58°; wind NNW, 15-20 m.p.h. at 6 a.m., 3-4 m.p.h. at 7 p.m. Twenty-three observers in 10 parties. Total party-hours, 108 (73½ on foot, 26½ by car, 8 by boat); total party-miles, 319 (35 on foot, 234 by car, 50 by boat). Horned Grebe, 4; Eared Grebe, 48; Least Grebe, 8; Pied-billed Grebe, 55; White Pelican, 930; Brown Pelican, 168; Double-crested Cormorant, 35; Olivaceous Cormorant, 12; Water-turkey, 2; Great Blue Heron, 131; Am. Egret, 24; Snowy Egret, 52; Reddish Egret, 297; Louisiana Heron, 32; Little Blue Heron, 20; Black-crowned Night Heron, 1; Canada Goose, 4668; White-fronted Goose, 1104; Snow Goose, 3161; Blue Goose, 317; Mallard, 84; Mottled Duck, 35; Gadwall, 678; Am. Widgeon, 1917; Pintail, 151,700; Green-winged Teal, 231; Blue-winged Teal, 24; Cinnamon Teal, 5; Shoveller, 180; Redhead, 55,888; Ring-necked Duck, 7; Canvas-back, 164; Greater Scaup, 3; Lesser Scaup, 38; Buffle-head, 143; Ruddy Duck, 692; Red-breasted Merganser, 17; Turkey Vulture, 129; Black Vulture, 176; Sharp-shinned Hawk, 5; Cooper's Hawk, 3; Red-tailed Hawk, 9; Swainson's Hawk, 1; White-tailed Hawk, 5; Rough-legged Hawk, 2; Ferruginous Hawk, 1; Harris's Hawk, 62; **Mex. Black Hawk,** 1; Marsh Hawk, 189; Audubon's Caracara, 14; Peregrine Falcon, 7; Pigeon Hawk, 1; Sparrow Hawk, 215; Chachalaca, 8; Bob-white, 190; Sandhill Crane, 632; Sora, 1; Am. Coot, 5241; Piping Plover, 1; Snowy Plover, 21; Ringed Plover, 4; Killdeer, 80; Black-bellied Plover, 2135; Ruddy Turnstone, 7; Wilson's Snipe, 51; Long-billed Curlew, 889; Hudsonian Curlew, 1; Spotted Sandpiper, 4; Willet, **20,788**; Greater Yellow-legs, 46; Lesser Yellow-legs, 52; Least Sandpiper, 160; Red-backed Sandpiper, 1146; Dowitcher, 904; Semi-palmated Sandpiper, 2562; Western Sandpiper, 31; Marbled Godwit, 3; Sanderling, 9; Am. Avocet, 67; Black-necked Stilt, 20; Herring Gull, 197; Ring-billed Gull, 62; Laughing Gull, 67; **Bonaparte's Gull, 5** (present for week); Gull-billed Tern, 15; Forster's Tern, 34; Common Tern, 14; Royal Tern, 9; Cabot's Tern, 3; Caspian Tern, 49; Mourning Dove, 1215; Ground Dove, 381; Inca Dove, 14; Road-runner, 4; Barn Owl, 2; Screech Owl, 1; Horned Owl, 6; Pauraque, 11; Belted Kingfisher, 4; Green Kingfisher, 2; Golden-fronted Woodpecker, 16; Ladder-backed Woodpecker, 23; Tropical Kingbird, 2; Derby Flycatcher, 3; Eastern Phoebe, 27; Say's Phoebe, 25; Vermilion Flycatcher, 28; Horned Lark, 254; Green Jay, 3; Black-crested Titmouse, 2; Verdin, 6; House Wren, 15; Bewick's Wren, 8; Cactus Wren, 13; Long-billed Marsh Wren, 5; Short-billed Marsh Wren, 1; **Rock Wren,** 1 (present since Nov. 3); Mockingbird, 467; Sennett's Thrasher, 10; Curve-billed Thrasher, 66; Sage Thrasher, 3; Am. Robin, 855; Hermit Thrush, 7; Eastern Bluebird, 26; Blue-gray Gnatcatcher, 6; Ruby-crowned Kinglet, 10; Water Pipit, 74; Sprague's Pipit, 41; Cedar Waxwing, 1; Loggerhead Shrike, 214; Common Starling, 126; White-eyed Vireo, 12; **Yellow-green Vireo,** 1 (carefully identified—D.D., D.M.); Black and White Warbler, 2; **Tennessee Warbler,** 1 (carefully studied—H.M.); Orange-crowned Warbler, 23; Nashville Warbler, 1; Myrtle Warbler, 85; Yellow-

throated Warbler, 1 (Sycamore); Common Yellowthroat, 12; House Sparrow, 116; Eastern Meadowlark, 325; Red-winged Blackbird, 8774; Brewer's Blackbird, 4101; Boat-tailed Grackle, 7824; Brown-headed Cowbird, 440; Bronzed Cowbird, 26; Cardinal, 10; Pyrrhuloxia, 1; Am. Goldfinch, 4; Texas Sparrow, 9; Savannah Sparrow, 381; Grasshopper Sparrow, 10; Vesper Sparrow, 31; Lark Sparrow, 102; Cassin's Sparrow, 2; Black-throated Sparrow, 12; Clay-colored Sparrow, 26; Field Sparrow, 18; White-crowned Sparrow, 12; White-throated Sparrow, 1; Lincoln's Sparrow, 54; Swamp Sparrow, 4; Song Sparrow, 6. **Total,** 164 species; about 285,60[illegible] individuals. (Seen in the area count period: Groove-billed Ani, Red-shouldered Hawk, Yellow-shafted Flicker.)—Mrs. Hazel Benatti, Daniel D. Berger, Mr. and Mrs. Russell Bingley, Joseph Breuer, Milton Chandler, Donald Dreyer, Carl W. Ellington, Terry Gill, Luther C. Goldman (compiler), C. E. Hudson, Jr., Merritt H. Hull, Robert Kern, Donald Mock, Clarence Moffitt, Helmut C. Mueller, Mr. and Mrs. Milton Reeves, Mrs. Frank Rompf, Daniel Stalmach, U. L. Stegman, Heriberto A. Trevino, Lavinia Tucker.

422. Midland, Tex. (same area as last year; parks and cemeteries 15%, water 10%, cultivated areas 10%, plains with bunch grass and mesquite thickets, 65%).—Dec. 24; 8 a.m. to 6 p.m. Clear; temp. 65° to 82°; wind NW, 10-30 m.p.h.; blowing sand 10 a.m. to 1 p.m. Four observers in 2 parties. Total party-hours, 16 (3 on foot, 13 by car); total party-miles, 127 (2 on foot, 125 by car). Eared Grebe, 1; Lesser Scaup, 1; Red-tailed Hawk, 3; Ferruginous Hawk, 2; Harris's Hawk, 4; Golden Eagle, 1; Marsh Hawk, 11; Prairie Falcon, 1; Sparrow Hawk, 6; Scaled Quail, 23; Killdeer, 20; Long-billed Curlew, 194; Western Sandpiper, 36; Mourning Dove, 87; Road-runner, 1; Red-shafted Flicker, 3; Ladder-backed Woodpecker, 1; Horned Lark, 30; White-necked Raven, 1; Red-breasted Nuthatch, 1; Brown Creeper, 2; Cactus Wren, 7; Rock Wren, 1; Mockingbird, 29; Sage Thrasher, 2; Am. Robin, 27; Hermit Thrush, 2; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 1; Water Pipit, 11; Cedar Waxwing, 8; Loggerhead Shrike, 48; Common Starling, 374; Myrtle Warbler, 7; House Sparrow, 806; Western Meadowlark, 123; Brown-headed Cowbird, 45; Pyrrhuloxia, 28; House Finch, 3; Green-tailed Towhee, 1; Lark Bunting, 407; Savannah Sparrow, 4; Vesper Sparrow, 15; Sage Sparrow, 2; Slate-colored Junco, 2; Oregon Junco, 24; White-crowned Sparrow, 128; Song Sparrow, 16. **Total,** 48 species; about 2551 individuals. (In area count period: **Evening Grosbeak.**)—Margret Galley, Anne LeSassier, Frances Williams (compiler), Harold Williams.

423. Muleshoe National Wildlife Refuge, Tex. (5809 acres; short grass-mesquite pasture 86%, shallow or dry lake beds 12%, shelterbelt 2%).—Dec. 26; 8 a.m. to 6 p.m. Clear; temp. 38° to 68°; wind NW, 0-15 m.p.h.; ground dry, lakes open. Two observers in 1 party. Total party-hours, 20 (5 on foot, 15 by car); total party-miles, 36 (4 on foot, 32 by car). Canada Goose, 700; Snow Goose, 2; Mallard, **380,000**; Am. Widgeon, **120,000**; Pintail, **120,000**; Green-winged Teal, 10,000; Shoveller, 500; Redhead, 10; Lesser Scaup, 60; Am. Golden-eye, 1; Bufflehead, 130; **Old-squaw, 3**; Ruddy Duck, 40; Red-breasted Merganser, 1; Red-tailed Hawk, 6; Swainson's Hawk, 6; Rough-legged Hawk, 2; Golden Eagle, 3; Marsh Hawk, 13; Scaled Quail, 82; Sandhill Crane, **30,000**; Am. Coot, 200; Ring-billed Gull, 1; Mourning Dove, 17; Horned Owl, 2; Long-eared Owl, 1; Red-shafted Flicker, 1; Hairy Woodpecker, 1; Ladder-backed Woodpecker, 1; Horned Lark, 65; Am. Robin, 1; Loggerhead Shrike, 5; Common Starling, 62; House Sparrow, 90; Western Meadowlark, 213; Cardinal, 3; Oregon Junco, 25 (Pink-sided); White-crowned Sparrow, 150. **Total,** 38 species; about 662,397 individuals. (Seen count period: Peregrine Falcon, House Finch, Sparrow Hawk, White-necked Raven, Mockingbird.)—Elizabeth C. Darnell, Robert L. Darnell (compiler).

424. Palmetto State Park, Tex. (Gonzales County, 2½-mile radius centering on concessions building, including entire park, Ottine, Gonzales Warm Springs Foundation, surrounding country; wooded riverbottom 35%, roadside thickets 20%, palmetto-ash bog 10%, open farmland and pasture 25%, oak woodland 5%, town 5%).—Dec. 31; 8 a.m. to 6 p.m. Clear; temp. 36° to 58°; wind NNW to S, 8-7 m.p.h.; ground very dry. Two observers in 1 party. Total party-hours, 10 (7 on foot, 3 by car); total party-miles, 14 (3 on foot, 11 by car). Turkey Vulture, 51; Black Vulture, 118; Red-tailed Hawk, 2; Red-shouldered Hawk, 2; Sparrow Hawk, 5; Killdeer, 8; Mourning Dove, 190; Screech Owl, 2; Barred Owl, 1; Yellow-shafted Flicker, 9; Red-shafted Flicker, 1; **Pileated Woodpecker, 1**; Red-bellied Woodpecker, 10; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 14; Downy Woodpecker, 4; Eastern Phoebe, 10; Blue Jay, 9; Am. Crow, 24; Carolina Chickadee, 39; Tufted Titmouse, 20; Brown Creeper, 7; House Wren, 1; Bewick's Wren, 19; Carolina Wren, 30; Mockingbird, 31; Brown Thrasher, 17; Am. Robin, 37; Hermit Thrush, 14; Eastern Bluebird, 29; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 39; Loggerhead Shrike, 8; Common Starling, 290; **Solitary Vireo,** 1; Orange-crowned Warbler, 5; Myrtle Warbler, 29; **Audubon's Warbler,** 1; Pine Warbler, 1; Common Yellowthroat, 1; House Sparrow, 6; Western Meadowlark, 10; Red-winged Blackbird, 797; Cardinal, 141; Purple Finch, 39; Am. Goldfinch, 95; Spotted Towhee, 69; Vesper Sparrow, 28; Lark Sparrow, 15; Slate-colored Junco, 1; Chipping Sparrow, 1; Field Sparrow, 53; Harris's Sparrow, 38; White-crowned Sparrow, 1; White-throated Sparrow, 132; Fox Sparrow, 19; Lincoln's Sparrow, 15; Song Sparrow, 7. **Total,** 58 species; about 2552 individuals. [Exceptionally neat report with careful details of all unusual observations—Ed.]—Ada Marie Webster, Fred S. Webster, Jr. (compiler).

425. Rockport, Tex. (area same as previous years; ½ shoreline, ¼ prairie, ¼ brushland).—Jan. 1; 7 a.m. to 5:30 p.m. Sunny; temp. 70° to 66°; wind SE, 12-18 m.p.h. Five observers in 2 parties. Total

party-hours, 9 (1 on foot, 8 by car); total party-miles, 112 (2 on foot, 110 by car). Eared Grebe, 8; Pied-billed Grebe, 13; White Pelican, 32; Brown Pelican, 75; Double-crested Cormorant, 60; Olivaceous Cormorant, 4; Great Blue Heron, 250; Am. Egret, 50; Snowy Egret, 3; Reddish Egret, 22; Louisiana Heron, 6; Little Blue Heron, 6; Black-crowned Night Heron, 3; Am. Bittern, 2; White Ibis, 1; White-fronted Goose, 21; Gadwall, 800; Am. Widgeon, 600; Pintail, 10,000; Green-winged Teal, 7; Shoveller, 18; Redhead, 65; Lesser Scaup, 100; Buffle-head, 2; Ruddy Duck, 5; Red-breasted Merganser, 30; Turkey Vulture, 28; Black Vulture, 5; Cooper's Hawk, 1; Red-tailed Hawk, 8; Harlan's Hawk, 2; Red-shouldered Hawk, 1; White-tailed Hawk, 2; Rough-legged Hawk, 5; Marsh Hawk, 12; Osprey, 1; Audubon's Caracara, 1; Prairie Falcon, 1; Sparrow Hawk, 23; Bob-white, 5; Sandhill Crane, 3; **Whooping Crane, 3**; Florida Gallinule, 2; Am. Coot, 200; Am. Oyster-catcher, 5; Piping Plover, 1; Ringed Plover, 3; Mountain Plover, 15; Killdeer, 225; Black-bellied Plover, 50; Ruddy Turnstone, 12; Wilson's Snipe, 1; Long-billed Curlew, **1200**; Hudsonian Curlew, 1; Willet, 175; Greater Yellow-legs, 20; Lesser Yellow-legs, 9; Least Sandpiper, 5; Red-backed Sandpiper, 200; Dowitcher, 150; Western Sandpiper, 125; Marbled Godwit, 50; Herring Gull, 150; Ring-billed Gull, 800; Laughing Gull, 200; Bonaparte's Gull, 2; Gull-billed Tern, **150**; Forster's Tern, 75; Royal Tern, 85; Cabot's Tern, 3; Caspian Tern, 15; Black Skimmer, 600; Mourning Dove, 250; Ground Dove, 2; Inca Dove, 11; Road-runner, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 6; Red-shafted Flicker, 2; Ladder-backed Woodpecker, 1; Eastern Phoebe, 17; Vermilion Flycatcher, 1; Horned Lark, 125; Black-crested Titmouse, 9; House Wren, 1; Bewick's Wren, 3; Mockingbird, 50; Brown Thrasher, 4; Am. Robin, 3000; Hermit Thrush, 3; Eastern Bluebird, 6; Blue-gray Gnatcatcher, 2; Ruby-crowned Kinglet, 10; Water Pipit, 200; Sprague's Pipit, 1; Loggerhead Shrike, 50; Common Starling, 16; Orange-crowned Warbler, 1; Myrtle Warbler, 600; Common Yellow-throat, 1; House Sparrow, 60; Eastern Meadowlark, 750; Western Meadowlark, 1; Red-winged Blackbird, 10; Brewer's Blackbird, 25; Boat-tailed Grackle, 50; Brown-headed Cowbird, 2000; Cardinal, 22; Am. Goldfinch, **3000**; Spotted Towhee, 1; Savannah Sparrow, 250; Grasshopper Sparrow, 2; Vesper Sparrow, 3; Lark Sparrow, 14; White-throated Sparrow, 4; Lincoln's Sparrow, 2. **Total,** 116 species; about 27,387 individuals. (Seen count period: Sanderling, Field Sparrow, Tree Swallow.)—Connie Hagar (compiler), Jack Hagar, Charles Hamilton, Mary Alice Hamilton, Jim Phillips.

426. San Antonio, Tex. (7½-mile radius centered on intersection of Pleasanton Road and South Flores Street; light deciduous woodland 50%, fields and pastures 28%, roadways and ditches 20%, lakes and ponds 2%).—Dec. 26; 7 a.m. to 6 p.m. Clear; temp. 46° to 78°; wind N to NW, 0-5 m.p.h. Fourteen observers in 3 parties. Total party-hours, 28 (23 on foot, 5 by car); total party-miles, 88 (14 on foot, 74 by car). Eared Grebe, 101; Pied-billed Grebe, 30; Gadwall, 77; Pintail, 14; Blue-winged Teal, 1; Shoveller, 8; Ring-necked Duck, 52; Canvas-back, 134; Lesser Scaup, 1; Am. Golden-eye, 1; Buffle-head, 34; Ruddy Duck, 54; Turkey Vulture, 3; Black Vulture, 7; Red-tailed Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 11; Bob-white, 15; Florida Gallinule, 1; Am. Coot, 80; Killdeer, 73; Wilson's Snipe, 2; Semipalmated Sandpiper, 30; Mourning Dove, 35; Ground Dove, 1; Inca Dove, 76; Road-runner, 3; Barred Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 9; Red-shafted Flicker, 7; Golden-fronted Woodpecker, 34; Yellow-bellied Sapsucker, 11; Ladder-backed Woodpecker, 6; Eastern Phoebe, 2; Say's Phoebe, 1; Vermilion Flycatcher, 4; Horned Lark, 2; Carolina Chickadee, 17; Black-crested Titmouse, 43; Plain Titmouse, 2; Verdin, 8; Brown Creeper, 6; House Wren, 1; Bewick's Wren, 10; Carolina Wren, 21; Mockingbird, 141; Brown Thrasher, 3; Sennett's Thrasher, 2; Am. Robin, 287; Hermit Thrush, 8; Eastern Bluebird, 6; Blue-gray Gnatcatcher, 4; Ruby-crowned Kinglet, 18; Sprague's Pipit, 4; Cedar Waxwing, 549; Loggerhead Shrike, 19; Common Starling, 524; Solitary Vireo, 2; Orange-crowned Warbler, 2; **Nashville Warbler,** 1; Myrtle Warbler, 123; House Sparrow, 550; Eastern Meadowlark, 375; Red-winged Blackbird, 950; Brewer's Blackbird, 85; Boat-tailed Grackle, 113; Brown-headed Cowbird, 875; Cardinal, 115; Pyrrhuloxia, 2; Purple Finch, 5; House Finch, 35; Am. Goldfinch, 233; Lesser Goldfinch, 28; Spotted Towhee, 19; Lark Bunting, 48; Savannah Sparrow, 62; Vesper Sparrow, 9; Lark Sparrow, 52; Slate-colored Junco, 3; Field Sparrow, 22; White-crowned Sparrow, 66; White-throated Sparrow, 56; Lincoln's Sparrow, 2; Song Sparrow, 10. **Total,** 85 species; about 6445 individuals.—Elizabeth Blount, F. O. Chapelle (compiler), Mrs. Andrew Heaton, Bille Hileman, Mr. and Mrs. Henry Karl, Mr. and Mrs. John Kush, Mr. and Mrs. Grady Loftin, Frank T. Maessen, Mr. and Mrs. Dwight Smith, Edith Wilson (San Antonio Audubon Society).

427. Santa Ana National Wildlife Refuge, Tex. (Alamo, same area as last year).—Dec. 28; 5:30 a.m. to 6:30 p.m. Foggy to broken clouds; temp. 62° to 77°; wind WSW to SSE, 2-15 m.p.h. Twenty-four observers in 8 parties. Total party-hours, 69 (44 on foot, 25 by car); total party-miles, 273 (40 on foot, 233 by car). Least Grebe, 3; Pied-billed Grebe, 3; White Pelican, 11; Olivaceous Cormorant, 3; Water-turkey, 1; Great Blue Heron, 1; Black-crowned Night Heron, 2; White-fronted Goose, 16; Mallard, 3; Gadwall, 3; Am. Widgeon, 78; Pintail, 214; Green-winged Teal, 117; Blue-winged Teal, 49; Cinnamon Teal, 6; Shoveller, 30; Canvas-back, 7; Lesser Scaup, 49; Ruddy Duck, 5; Turkey Vulture, 186; Black Vulture, 69; Sharp-shinned Hawk, 4; Cooper's Hawk, 3; Red-tailed Hawk, 12; Red-shouldered Hawk, 11; Broad-winged Hawk, 2; Swainson's Hawk, 2; Harris's Hawk, 43; **Mex. Goshawk** (Gray Hawk), 1; **Mex. Black Hawk,** 1; Marsh Hawk, 39; Pigeon Hawk, 2; Sparrow Hawk, 119; Chachalaca, 32; Bob-white, 1; Sora, 1; Florida Gallinule, 4; Am. Coot, 93; Killdeer, 24; Wilson's Snipe, 3; Spotted Sandpiper, 5; Greater Yellow-legs, 20; Lesser Yellow-

legs, 47; Dowitcher, 14; Mourning Dove, 784; Ground Dove, 73; Inca Dove, 64; White-fronted Dove, 30; Road-runner, 6; Barn Owl, 5; Screech Owl, 4; Horned Owl, 8; Ferruginous Owl, 2; Pauraque, 13; **Common Nighthawk,** 1; Yellow-shafted Flicker, 15; Golden-fronted Woodpecker, 58; Yellow-bellied Sapsucker, 4; Ladder-backed Woodpecker, 69; **Rose-throated Becard,** 1; Tropical Kingbird, 10; Derby Flycatcher, 43; **Mex. Crested Flycatcher,** 1; Eastern Phoebe, 73; Say's Phoebe, 1; Vermilion Flycatcher, 5; Beardless Flycatcher, 2; Green Jay, 63; Black-crested Titmouse, 29; Verdin, 4; House Wren, 55; Bewick's Wren, 6; Carolina Wren, 8; Cactus Wren, 5; Long-billed Marsh Wren, 2; Mockingbird, 126; Sennett's Thrasher, 28; Curve-billed Thrasher, 7; Am. Robin, 450; Olive-backed Thrush, 1; Hermit Thrush, 8; Eastern Bluebird, 65; Blue-gray Gnatcatcher, 103; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 29; Water Pipit, 113; Cedar Waxwing, 63; Loggerhead Shrike, 21; Common Starling, 2; White-eyed Vireo, 21; Yellow-throated Vireo, 1; Solitary Vireo, 2; **Philadelphia Vireo,** 1; Black and White Warbler, 9; Orange-crowned Warbler, 31; Nashville Warbler, 11; Myrtle Warbler, 111; Audubon's Warbler, 2; Black-throated Gray Warbler, 2; Black-throated Green Warbler, 2; **Blackburnian Warbler,** 1; Pine Warbler, 1; **Mourning Warbler,** 1; Common Yellowthroat, 25; Black-capped Warbler, 3; House Sparrow, 1042; Eastern Meadowlark, 31; Red-winged Blackbird, 1546; Audubon's Oriole, 3; Hooded Oriole, 2 (Sennett's); Brewer's Blackbird, 86; Boat-tailed Grackle, 42; Brown-headed Cowbird, 572; Cardinal, 77; Sharpe's Seedeater, 16; Am. Goldfinch, 385; Texas Sparrow, 9; Savannah Sparrow, 37; Grasshopper Sparrow, 4; Lark Sparrow, 24; Black-throated Sparrow, 3; Clay-colored Sparrow, 6; Field Sparrow, 12; White-throated Sparrow, 5; Lincoln's Sparrow, 37; Swamp Sparrow, 7; Song Sparrow, 3. **Total,** 127 species; about 7974 individuals. [No details submitted for any observations, but compiler a cautious expert ornithologist—Ed.]—Lola Barnhart, Hazel Benatti, Mr. and Mrs. Russell Bingley, H. J. Bock, Robert Bock, Milton Chandler, Donald Dreyer, Luther C. Goldman (compiler), Vela Hazlewood, Mrs. W. L. Hart, Bruce Holmes, C. E. Hudson, Jr., Mrs. A. P. Longland, Edgar McBurney, Donald Mock, Clarence Moffitt, C. N. Moore, Anna Morgan, John Morony, Mrs. Frank Rompf, Lavinia Tucker, Katherine Young, Mary Young.

428. Tyler, Tex. (same area as last year, within 15-mile diameter centering 3 miles southeast of Courthouse, including Tyler, parts of Lake Tyler, all of Hill, Boren 13 Club and Pleasure Acres Lakes; lakes and ponds 5%, cultivated farms 15%, woods 20%, pastures 60%).—Dec. 31; 5:30 a.m. to 6 p.m. Clear; temp. 28° to 45°; wind S, 0-5 m.p.h. Eleven observers in 5 parties. Total party-hours, 55 (31½ on foot, 23½ by car); total party-miles, 346 (26 on foot, 320 by car). Common Loon, 3; Pied-billed Grebe, 27; Great Blue Heron, 2; Mallard, 19; Pintail, 2; Wood Duck, 1; Ring-necked Duck, 6; Canvas-back, 42; Lesser Scaup, 16; Turkey Vulture, 38; Black Vulture, 4; Cooper's Hawk, 5; Red-tailed Hawk, 8; Red-shouldered Hawk, 8; Rough-legged Hawk, 1; Marsh Hawk, 6; Sparrow Hawk, 29; Bob-white, 20; Am. Coot, 1173; Killdeer, 103; Wilson's Snipe, 15; Mourning Dove, 100; Road-runner, 3; Screech Owl, 2; Horned Owl, 9; Barred Owl, 3; Belted Kingfisher, 3; Yellow-shafted Flicker, 66; Red-bellied Woodpecker, 57; Red-headed Woodpecker, 21; Yellow-bellied Sapsucker, 14; Hairy Woodpecker, 8; Downy Woodpecker, 14; Eastern Phoebe, 8; Blue Jay, 264; Am. Crow, 73; Carolina Chickadee, 73; Tufted Titmouse, 43; White-breasted Nuthatch, 11; Brown Creeper, 4; House Wren, 1; Winter Wren, 1; Bewick's Wren, 6; Carolina Wren, 33; Short-billed Marsh Wren, 2; Mockingbird, 96; Brown Thrasher, 66; Am. Robin, 54; Hermit Thrush, 9; Eastern Bluebird, 177; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 39; Water Pipit, 8; Sprague's Pipit, 3; Cedar Waxwing, 66; Loggerhead Shrike, 70; Common Starling, 774; Orange-crowned Warbler, 1; Myrtle Warbler, 153; Pine Warbler, 27; House Sparrow, 212; Eastern Meadowlark, 198; Western Meadowlark, 1; Red-winged Blackbird, 4040; Rusty Blackbird, 661; Brewer's Blackbird, 300; Purple Grackle, 6140; Brown-headed Cowbird, 155; Cardinal, 233; Purple Finch, 3; Pine Siskin, 16; Am. Goldfinch, 256; [Eastern Towhee, 29 + Spotted Towhee, 10]; Savannah Sparrow, 40; Leconte's Sparrow, 8; Vesper Sparrow, 14; Lark Sparrow, 4; Slate-colored Junco, 533; Chipping Sparrow, 20; Field Sparrow, 241; Harris's Sparrow, 28; White-crowned Sparrow, 44; White-throated Sparrow, 792; Fox Sparrow, 29; Lincoln's Sparrow, 40; Swamp Sparrow, 28; Song Sparrow, 94. **Total,** 87 species (1 additional subspecies); over 18,067 individuals. (Seen in area count period: **Vermilion Flycatcher.**)—L. G., Jo and Ann Huey, Carl Weber, O. C. and Nadine Sheffield, J. P. Ferrill, Jan Gordon, John Arvin, Gaddis Taylor (compiler), Maie Taylor.

429. Billings, Mont. (7½-mile radius centering on Carter Oil Refinery in Yellowstone Valley between Billings and Huntley; irrigated farmlands 60%, upland pasture and wheat fields 10%, timbered bottomlands 5%, marshes, ditches, and river 10%, urban 5%, rimrocks 10%).—Dec. 26; 8 a.m. to 5 p.m. Partly cloudy; temp 10° to 35°; wind W, none to very light; 6-12-in. snow, backwaters of Yellowstone River frozen, spring-fed drains and creeks open. Eight observers in 3 parties. Total party-hours, 23 (14½ on foot, 8½ by car); total party-miles, 129 (23 on foot, 106 by car). Mallard, 7; Am. Golden-eye, 58; Am. Merganser, 49; Red-breasted Merganser, 1; **Swainson's Hawk,** 1 (studied carefully—W.H.); Rough-legged Hawk, 3; Golden Eagle, 1; Bald Eagle, 2; Prairie Falcon, 1; Sparrow Hawk, 3; Ring-necked Pheasant, 98; Short-eared Owl, 5; Belted Kingfisher, 2; Red-shafted Flicker, 19; Downy Woodpecker, 2; Horned Lark, 115; Am. Magpie, 151; Black-capped Chickadee, 27; White-breasted Nuthatch, 1; Am. Robin, 4; Townsend's Solitaire, 1; Bohemian Waxwing, 590; Gray Shrike, 3; Common Starling, 174; House Sparrow, 580; Western Meadowlark, 6; Red-winged Blackbird, 6; Evening Grosbeak, 8; Common

Redpoll, 100; Slate-colored Junco, 1; Am. Tree Sparrow, 69; Song Sparrow, 23; **McCown's Longspur, 15. Total,** 33 species; about 2126 individuals. (Seen in area count week: Gray-crowned Rosy Finch, **Shoveller,** Hairy Woodpecker.)—Marguerite Boerner, Mr. and Mrs. Joseph Borden, William Hoheisel, John Leete, Louis Moos, Liven Peterson (compiler), Winifred Stull (Billings Audubon Society).

430. Bozeman, Mont. (Gallatin Valley from lower Bridger Canyon and Sourdough Creek northwest to Belgrade between West Gallatin River and Bridger foothills; cultivated land 70%, range 15%, trees and brush 10%, city parks, campus, cemetery, dump 2%, marsh 3%).—Dec. 27; 8 a.m. to 5 p.m. Clear to overcast; temp. 30° to 32°; wind calm; ground with 10-14-in. loose snow, still water frozen. Four observers in 1 party. Total party-hours, 8 (1½ on foot, 6½ by car); total party-miles, 87 (3 on foot, 84 by car). Mallard, 2; Am. Golden-eye, 2; Rough-legged Hawk, 2; Sharp-tailed Grouse, 14; European Partridge, 19; Ring-necked Pheasant, 52; Short-eared Owl, 1; Belted Kingfisher, 1; Red-shafted Flicker, 2; Downy Woodpecker, 1; Horned Lark, 117; Steller's Jay, 2; Am. Magpie, 144; Common Raven, 1; Am. Crow, 30; Black-capped Chickadee, 2; Townsend's Solitaire, 2; Bohemian Waxwing, 1; Gray Shrike, 2; Common Starling, 100; House Sparrow, 300; Pine Grosbeak, 12; Common Redpoll, 19; Am. Tree Sparrow, 1; Song Sparrow, 4. **Total,** 25 species; about 833 individuals. (Hairy Woodpecker, Clark's Nutcracker, Western Meadowlark. Evening Grosbeak seen in area count period.)—Clifford V. Davis (compiler), Martin Dwyer, Elmo Lott, Homer E. Metcalf.

431. Fortine, Mont. (regular territory extending 3 miles west and 4 miles north of Fortine; fields and sparsely timbered hills 15%, second-growth conifer woods 60%, dense conifer woods 10%, creek-flats of mixed spruce-broadleaf 15%).—Dec. 27; 8 a.m. to 5:30 p.m. Clear; temp. 32° to 43°; wind S, 1-5 m.p.h.; 2-10-in. crusted snow in woods, open country ice-covered, streams mostly unfrozen. Two observers in 1 party. Total party-hours, 9½ (all on foot); total party-miles, 13. Mallard, 19; Green-winged Teal, 4; Am. Golden-eye, 1; Goshawk, 1; Bald Eagle, 1; Franklin's Grouse, 2; Ruffed Grouse, 5; Wilson's Snipe, 1; Pygmy Owl, 1; Belted Kingfisher, 2; Pileated Woodpecker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 2; Gray Jay, 5; Am. Magpie, 7; Common Raven, 21; Clark's Nutcracker, 7; Black-capped Chickadee, 12; Mountain Chickadee, 9; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 4; Am. Dipper, 2; Gray Shrike, 2; Evening Grosbeak, 6; Pine Grosbeak, 7; Common Redpoll, 24; Am. Tree Sparrow, 1; Song Sparrow, 2; Snow Bunting, 10. **Total,** 29 species; 168 individuals.—Winton Weydemeyer (compiler), Bruce Weydemeyer.

432. Great Falls, Mont. (7½-mile radius centering 1½ miles north of Great Falls; city, suburbs and air base 12%, river, marsh and sloughs 6%, ravines and buttes 5%, forest 3%, range 37%, wheat fields 37%).—Dec. 27; 8 a.m. to 5 p.m. Clear to cloudy; temp. 30° to 18°; wind SW; ground bare except drifts along road and in gullies, river frozen above Black. Seven observers in 2 parties. Total party-hours, 9; total party-miles, 145 (10 on foot, 135 by car). Mallard, 1181; Gadwall, 7; Am. Widgeon, 4; **Pintail,** 1; Green-winged Teal, 1 (frozen to ice, taken home, warmed, liberated); Am. Golden-eye, 975; **Barrow's Golden-eye,** 2 (6 four days later); Bufflehead, 40; Old-squaw, 1; Hooded Merganser, 1; Am. Merganser, 22; Rough-legged Hawk, 4; Ferruginous Hawk, 1; Golden Eagle, 1; **Bald Eagle,** 5; Prairie Falcon, 1; Ring-necked Pheasant, 10; Am. Coot, 7; Horned Owl, 1; **Yellow-shafted Flicker,** 1; Red-shafted Flicker, 15; Downy Woodpecker, 3; Horned Lark, 13; Am. Magpie, 114; Black-capped Chickadee, 3; Am. Dipper, 1; Am. Robin, 2; Bohemian Waxwing, 150; Cedar Waxwing, 7; House Sparrow, 100; **Gray-crowned Rosy Finch,** 2; Common Redpoll, 251; Oregon Junco, 2; Am. Tree Sparrow, 4. **Total,** 34 species; about 2933 individuals. (In area count period: Herring Gull, Am. Robin.)—Paul Farlan, Robert Huntsberger, Robin Neil, John Person (compiler), Gorham Swanberg, Jeff Walker, Thomas Walker.

433. Helena, Mont. (7½-mile radius centering on fire station of East Helena, including Helena, Forestvale Cemetery, Mount Helena, Stansfield Lake; coniferous forest 25%, prairie, pasture and plowed land 30%, residential 20%, hardwood trees 10%, woodlot 15%).—Dec. 28; 8 a.m. to 5 p.m. Clear; temp. 5° to 20°; wind 0-2 m.p.h.; 3-in. crusted snow, water frozen except parts of Prickly Pear and Ten Mile Creeks. One observer. Total hours, 9 (3½ on foot, 5½ by car); total miles, 69 (3 on foot, 66 by car). Am. Golden-eye, 2; Ring-necked Pheasant, 24; Horned Owl, 1; Red-shafted Flicker, 1; Hairy Woodpecker, 1; Am. Magpie, 55; Clark's Nutcracker, 4; Mountain Chickadee, 10; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 9; Townsend's Solitaire, 2; Bohemian Waxwing, 200; Gray Shrike, 1; House Sparrow, 40; Evening Grosbeak, 22; Am. Tree Sparrow, 20. **Total,** 16 species; 394 individuals. (Seen in area count period: Horned Lark, Rough-legged Hawk, Belted Kingfisher, Black-capped Chickadee, Sharp-shinned Hawk.)—Charles L. Beveridge.

434. Libby, Mont. (same area as 1953 except for omission of city reservoir area, and Cherry and Libby Creek areas south of mill ponds; town and lumber yard 25%, creeks and ponds 10%, river 30%, coniferous forest 20%, fields 8%, mixed woods 7%).—Dec. 31; 8:15 a.m. to 5:30 p.m. Clear; temp. −8° to 17°; no wind; 14-in. crusted snow, streams unfrozen except for smallest creeks, ponds and marshes frozen. Six observers in 1 party. Total party-hours, 8 (6¾ on foot, 1¼ by car); total party-miles, 23 (8 on foot, 15 by car). Great Blue Heron, 1; Mallard, 24; golden-eye (sp.), 1; Am. Merganser, 1; Killdeer, 2; Pygmy Owl, 1; Belted Kingfisher, 1; Red-shafted Flicker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 2; Common Raven, 7; Black-capped Chickadee, 31; Mountain Chickadee, 2; Red-breasted Nuthatch, 1; Am. Dipper, 4; Am. Robin, 1; Townsend's

Solitaire, 1; Golden-crowned Kinglet, 8; Bohemian Waxwing, 33; House Sparrow, 8; Evening Grosbeak, 11; Pine Grosbeak, 43; Oregon Junco, 2; Song Sparrow, 9. **Total,** 24 species; 197 individuals. (Seen count period: Wilson's Snipe, Brown Creeper, Gray Shrike.)—Eddie Dutton, Jr., Tom Hassing, George James, Douglas Munts, Thomas Rogers (compiler), John Wilson.

435. **Casper, Wyo.** (same area as in 1948 and subsequent years).—Jan. 2; 7:30 a.m. to 5 p.m.; temp. 32° to 40°; wind SW, 20 m.p.h.; prairies bare, 36-in. snow on mountain. Sixteen observers in 4 parties. Total party-hours, 33 (8 on foot, 25 by car); total party-miles, 179 (16 on foot, 160 by car, 2 on snowshoes, 1 on ski). Mallard, 27; Pintail, 4; Am. Golden-eye, 16; Red-tailed Hawk, 1; Rough-legged Hawk, 5; Ferruginous Hawk, 1; **Golden Eagle, 14**; Bald Eagle, 1; Prairie Falcon, 2; Ring-necked Pheasant, 3; Wilson's Snipe, 4; Horned Owl, 8; Short-eared Owl, 2; Yellow-shafted Flicker, 1; Red-shafted Flicker, 9; Hairy Woodpecker, 4; Downy Woodpecker, 3; Horned Lark, 71; Steller's Jay, 3; Am. Magpie, 357; Am. Crow, 8; Piñon Jay, 35; Clark's Nutcracker, 9; Black-capped Chickadee, 34; Mountain Chickadee, 23; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 1; Am. Dipper, 1; Long-billed Marsh Wren, 2; Am. Robin, 2; Townsend's Solitaire, 3; Gray Shrike, 3; Common Starling, 200; House Sparrow, 257; Red-winged Blackbird, 54; Evening Grosbeak, 79; Pine Grosbeak, 10; **Gray-crowned Rosy Finch, 1206**; **Common Redpoll, 250**; Pine Siskin, 24; Slate-colored Junco, 4; Oregon Junco, 35 (Pink-sided, 12); Am. Tree Sparrow, 72; Harris's Sparrow, 4; Song Sparrow, 18. **Total,** 45 species (1 additional subspecies); about 2873 individuals. (Sage Hen, Blue Grouse, Bohemian Waxwing unaccountably missed.)—Walter Berlet, L. R. Burkhardt, R. R. Burkhardt, J. A. Barlow, W. R. Earnshaw, Sue Gloriod, V. W. Jacquot, Henry Koerner, P. W. Netterstrom, Mr. and Mrs. L. C. Rongstad, Dr. and Mrs. O. K. Scott (compilers), Mrs. J. W. Yant, Howard Yant, Mary Dille (Wyoming Audubon Society).

436. **Cheyenne, Wyo.** (7½-mile radius centering from radio station KFBC on east edge of town; city parks and cemeteries 30%, open prairie, deciduous and evergreen trees 20%, prairie roadside 10%, open meadow, reservoirs and creekbottom 40%).—Jan. 2; 8 a.m. to 4:30 p.m. Clear; temp. 31° to 46°; wind W, 15-35 m.p.h.; no snow. Seven observers in 3 parties. Total party-hours, 56 (6 on foot, 50 by car); total party-miles, 148 (8 on foot, 140 by car). Canada Goose, 12; Mallard, 20; Rough-legged Hawk, 5; Golden Eagle, 1; Marsh Hawk, 1; Red-shafted Flicker, 13; Hairy Woodpecker, 1; Downy Woodpecker, 1; Horned Lark, 2029 (4 Northern); Am. Magpie, 25; Am. Robin, 3; Bohemian Waxwing, 2; Gray Shrike, 1; Common Starling, 98; House Sparrow, 138; Evening Grosbeak, 25; House Finch, 4; Pine Grosbeak, 4; Pine Siskin, 2; White-winged Junco, 1; Oregon Junco, 86 (84 Pink-sided); Am. Tree Sparrow, 18; Lapland Longspur, 22. **Total,** 23 species (2 additional subspecies); about 2512 individuals. (Observed in area count period: Am. Golden-eye, Ring-necked Pheasant, Mountain Chickadee, Mockingbird, Townsend's Solitaire, Common Redpoll, Slate-colored Junco.)—Charles Brown, Mrs. Charles Brown, Mr. and Mrs. Robert Hanesworth, Wilhelmina Miller, Lt. Col. and Mrs. Charles H. Snyder (compiler) (Cheyenne Audubon Club).

437. **Rawlins, Wyo.** (same area as 1954).—Jan. 2; 7:30 a.m. to 5 p.m. Clear to partly cloudy; temp. 24° to 33°; wind WSW, 17-32 m.p.h.; ground 80% covered with skiff old snow, creeks and reservoirs frozen, river 75% open. Three observers in 1 party. Total party-hours, 9½ (2 on foot, 7½ by car); total party-miles, 105 (3 on foot, 102 by car). Am. Golden-eye, 4; Rough-legged Hawk, 6; Ferruginous Hawk, 1; Golden Eagle, 2; Horned Owl, 2; Red-shafted Flicker, 2; Horned Lark, 190; Am. Magpie, 38; Mountain Chickadee, 2; Am. Robin, 1; Bohemian Waxwing, 15; Common Starling, 27; House Sparrow, 253; Evening Grosbeak, 6; Gray-crowned Rosy Finch, 280; Am. Tree Sparrow, 18; Song Sparrow, 1. **Total,** 17 species (1 additional subspecies); about 848 individuals.—Mrs. Walter Lambertsen (compiler), Mrs. Arnold Larsen, Mrs. Oswald Seaverson.

438. **Boulder, Colo.** (same area as last year).—Dec. 31; 6:30 a.m. to 5 p.m. Clear; temp. 29° to 50°; no wind; ice coating early morning, large reservoirs open, smaller ones partly frozen. Thirteen observers in 3 parties. Total party-hours, 26 (14 on foot, 12 by car); total party-miles, 138 (12 on foot, 126 by car). Canada Goose, 23; Mallard, 7051; Gadwall, 3; Am. Widgeon, 8; Pintail, 68; Green-winged Teal, 5; Ring-necked Duck, 1; Am. Golden-eye, 15; Am. Merganser, 4; Red-tailed Hawk, 9; Rough-legged Hawk, **10**; Marsh Hawk, 2; Sparrow Hawk, 2; Ring-necked Pheasant, 17; Killdeer, 11; Wilson's Snipe, 3; Herring Gull, 8; Ring-billed Gull, 2; Screech Owl, 3; Horned Owl, 1; Belted Kingfisher, 3; Red-shafted Flicker, 56; Lewis's Woodpecker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 2; Horned Lark, 75; Steller's Jay, **120**; Am. Magpie, 133; Am. Crow, 5; Clark's Nutcracker, 9; Black-capped Chickadee, 18; Mountain Chickadee, 2; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 2; Pygmy Nuthatch, 5; Am. Dipper, 1; Cañon Wren, 2; **Rock Wren,** 1 (carefully studied—O.A.K. party); Am. Robin, 88; Townsend's Solitaire, 26; Golden-crowned Kinglet, 5; Cedar Waxwing, 20; Gray Shrike, 3; **Loggerhead Shrike,** 1 (3 observers, 30 X scope); Common Starling, 151; House Sparrow, 238; Western Meadowlark, 69; Red-winged Blackbird, 1420; Evening Grosbeak, 10; Cassin's Finch, 5; House Finch, 146; Pine Siskin, 313; Am. Goldfinch 135; Spotted Towhee, 5; Slate-colored Junco, 3; Oregon Junco, 227 (Shufeldt's, 27; Pink-sided, 200); Gray-headed Junco, 15; junco (sp.), 90; Am. Tree Sparrow, **479**; **Harris's Sparrow, 2**; White-crowned Sparrow, 8; **White-throated Sparrow, 2**; Song Sparrow, 41. **Total,** 62 species (1 additional subspecies); about 11,187 individuals.—Douglas G. Alexander, Gordon Alexander (compiler), Marion I. Alexander, Leslie M. Baylor, Lawrence D. Crowley,

Dominick D'Ostilio, John T. Fitch, John N. Hough, Owen A. Knorr, Vera Matthews, Oakleigh Thorne II, Linna L. Weber, William A. Weber (University of Colorado).

439. Colorado Springs, Colo. (same area and coverage as previous years).—Dec. 26; 7 a.m. to 4:30 p.m. Mostly clear; temp. 25° to 57°; wind SE, 0-20 m.p.h.; ground bare and dry, streams mostly open, reservoirs and ponds half frozen. Twenty-five observers in 11 parties. Total party-hours, 61 (52 on foot, 9 by car); total party-miles, 252 (60 on foot, 192 by car). Great Blue Heron, 1; Mallard, 463; Am. Widgeon, 1; Pintail, 5; Green-winged Teal, 10; Sharp-shinned Hawk, 2; Red-tailed Hawk, 6; Rough-legged Hawk, 5; Ferruginous Hawk, 1; Golden Eagle, 5; Bald Eagle, 1; Marsh Hawk. 4; Pigeon Hawk, 2; Sparrow Hawk, 7; Scaled Quail, 2; Ring-necked Pheasant, 5; Killdeer, 19; Wilson's Snipe, 2; Horned Owl, 4; Belted Kingfisher, 1; Red-shafted Flicker, 93; **Lewis's Woodpecker, 2**; Hairy Woodpecker, 13; Downy Woodpecker, 23 (Batchelder's, 7); Horned Lark, 115; Scrub Jay, 108; Steller's Jay, 275; Am. Magpie, 364; **Common Raven,** 1; Am. Crow, 70; Piñon Jay, 5; Clark's Nutcracker, 3; Black-capped Chickadee, 75; Mountain Chickadee, 50; Common Bushtit, 48; White-breasted Nuthatch, 9; Red-breasted Nuthatch, **28**; Pygmy Nuthatch, 60; Brown Creeper, 8; Am. Dipper, 1; **Winter Wren,** 1; Cañon Wren, 3; **Mockingbird,** 1; Am. Robin, 94; **Mountain Bluebird,** 4; Townsend's Solitaire, **41**; Golden-crowned Kinglet, 18; Cedar Waxwing, 28; Gray Shrike, 5; Loggerhead Shrike, 2; Common Starling, 244; House Sparrow, 565; Western Meadowlark, 64; Red-winged Blackbird, 777; Brewer's Blackbird, 83; Evening Grosbeak, **63**; Cassin's Finch, **281**; House Finch, 241; Pine Siskin, 130; Am. Goldfinch, 8; **Red Crossbill, 4**; Spotted Towhee, 38; **Rufous-crowned Sparrow, 14** (carefully studied—Mrs. H.J.W. party); White-winged Junco, 25; Slate-colored Junco, 13; Oregon Junco, 793 (4 races); Gray-headed Junco, 141; junco (sp.), 90; Am. Tree Sparrow, 506; Chipping Sparrow, **23**; White-crowned Sparrow, 193 (Gambel's, 60); Song Sparrow, 48; Lapland Longspur, 2; sparrow (sp.), 200. **Total,** 72 species (5 additional subspecies); about 6640 individuals. (Seen count period: Mourning Dove, Long-eared Owl, Gray Jay, Plain Titmouse, Common Redpoll.) [Careful details for all unusual observations—Ed.]—Mrs. T. L. Adams, Robert Z. Brown, Mrs. G. L. Catlett, Mrs. Lavinia Curtis, Mrs. Daniel daCruz, Edna Dessaint, Mrs. Kenneth Ewing, Mrs. L. B. Field, Larry Field, Mary Alice Hamilton, Mrs. Aven Nelson, Kent Nelson, Paul Nesbit, Mr. and Mrs. Frank Sample (compilers), Mary Shirer, George Sinton, Mahlon Speers, Robert M. Stabler, Mrs. B. E. Sutton, Mrs. M. M. Thurlow, James H. Turner, Mrs. H. J. Wagner, Mr. and Mrs. H. J. Weberbauer (Aiken Ornithological Society).

440. Durango, Colo. (town to Bondad, principally in Animas River valley, side trips across Florida Mesa into Florida River valley; Scrub Oak and Piñon hillsides 50%, sagebrush 25%, open farmland 15%, Cottonwood and willow thickets 10%).—Dec. 26; 7:30 a.m. to 5 p.m. Clear a.m., partly cloudy p.m.; temp. 20° to 50°; wind less than 1 m.p.h.; patches of snow, ponds and reservoirs frozen, rivers free of ice. Two observers in 1 party. Total party-hours, 9½ (5 on foot, 4½ by car); total party-miles, 90 (7 on foot, 83 by car). Great Blue Heron, 1; Mallard, 54; Gadwall, 9; Green-winged Teal, 1; Ring-necked Duck, 7; Am. Golden-eye, 92; Am. Merganser, 7; Red-breasted Merganser, 1; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 3; Golden Eagle, 1; Marsh Hawk, 2; Sparrow Hawk, 8; Ring-necked Pheasant, 1; Belted Kingfisher, 2; Red-shafted Flicker, 11; Hairy Woodpecker, 1; Downy Woodpecker, 1; Lewis's Woodpecker, 6; Scrub Jay, 13; Steller's Jay, 1; Am. Magpie, 158; Common Raven, 6; Am. Crow, 1; Piñon Jay, 25; Black-capped Chickadee, 19; Mountain Chickadee, 1; Common Bushtit, 10; White-breasted Nuthatch, 1; Am. Dipper, 8; Am. Robin, 2; Mountain Bluebird, 1; Townsend's Solitaire, 3; Loggerhead Shrike, 1; Common Starling, **352**; House Sparrow, 53; Western Meadowlark, 14; Red-winged Blackbird, 560; Pine Siskin, 2; Am. Goldfinch, 3; Spotted Towhee, 5; Oregon Junco, 108; Gray-headed Junco, 5; Am. Tree Sparrow, 4; White-crowned Sparrow, 6; Song Sparrow, 7. **Total,** 47 species; about 1580 individuals. (Observed in area count period: Slate-colored Junco.)—Thomas J. Frizell, Oppie Reames (compiler).

441. Fort Collins, Colo. (same area as 1948 and subsequent years).—Dec. 26; 7 a.m. to 5 p.m. Clear; temp. 32° to 50°; wind SW to N, 3 m.p.h.; no snow on ground, most water unfrozen. Five observers in 3 parties. Total party-hours, 19 (10 on foot, 9 by car); total party-miles, 180 (15 on foot, 165 by car). Great Blue Heron, 2; Mallard, 1186; Green-winged Teal, 2; Am. Merganser, 11; Red-tailed Hawk, 4; Swainson's Hawk, 1; Rough-legged Hawk, 3; Bald Eagle, 1; Marsh Hawk, 1; Pigeon Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 6; Killdeer, 5; Wilson's Snipe, 1; Horned Owl, 2; Belted Kingfisher, 2; Red-shafted Flicker, 56; Lewis's Woodpecker, 6; Hairy Woodpecker, 7; Downy Woodpecker, 4; Horned Lark, 3; Blue Jay, 5; Steller's Jay, 22; Am. Magpie, 116; Am. Crow, 3; Clark's Nutcracker, 10; Black-capped Chickadee, 18; Mountain Chickadee, 3; **Common Bushtit, 6** (carefully identified); Red-breasted Nuthatch, 6; Brown Creeper, 1; Cañon Wren, 8; Rock Wren, 3; Am. Robin, 13; Townsend's Solitaire, 4; Gray Shrike, 4; Common Starling, 349; House Sparrow, 281; Western Meadowlark, 15; Red-winged Blackbird, 535; Evening Grosbeak, 71; Cassin's Finch, 150; House Finch, 39; Pine Siskin, 110; Am. Goldfinch, 4; Spotted Towhee, 1; **Baird's Sparrow,** 1 (J.D.); White-winged Junco, 4; Slate-colored Junco, 9; Oregon Junco, 128; Gray-headed Junco, 3; Am. Tree Sparrow, 71; White-crowned Sparrow, 77; Song Sparrow, 16. **Total,** 54 species (1 additional subspecies); about 3391 individuals. (Seen count period: Golden-crowned Kinglet, **Black and White Warbler.**)—Paul H. Baldwin, Richard G. Beidleman (compiler), John and Margaret Douglass, John R. Olive (Colorado A and M College).

442. Fowler, **Colo.** (7½-mile radius centering on southwest corner of section 12, Crowley County, west 2½ miles into Pueblo County, south 1½ miles into Otero County, including Cudahy Reservoir; irrigated farmlands 75%, sagebrush flats 20%, riverbottoms 3%, lake shore 2%).—Dec. 24; 7:45 a.m. to 4:15 p.m. Clear; temp. 55° to 74°; wind W to NW, 2-10 m.p.h.; ground bare, water open. Two observers in 1 party. Total party-hours, 8½ (1½ on foot, 7 by car); total party-miles, 85 (2 on foot, 83 by car). Canada Goose, 37; Mallard, 2000; Gadwall, 2; Ruddy Duck, 2; Red-tailed Hawk, 4; Rough-legged Hawk, 3; Bald Eagle, 2; Marsh Hawk, 4; Prairie Falcon, 1; Pigeon Hawk, 1; Sparrow Hawk, 28; Mourning Dove, 2; Horned Owl, 1; Yellow-shafted Flicker, 1; Red-shafted Flicker, 18; Lewis's Woodpecker, 11; Downy Woodpecker, 1; Horned Lark, 2100; Am. Magpie, 69; Gray Shrike, 2; Common Starling, 96; House Sparrow, 66; Western Meadowlark, 68; House Finch, 36; Am. Goldfinch, 3; Slate-colored Junco, 9; Oregon Junco, 17; Am. Tree Sparrow, 100; White-crowned Sparrow, 350; White-throated Sparrow, 2; **Total,** 30 species; about 5036 individuals. (Seen in area count period: Scaled Quail, Pintail.)—Mrs. Philip Hendricks (compiler), C. E. Thompson.

443. **Grand Junction, Colo.** (much the same area as previous years).—Jan. 2; 8 a.m. to 5 p.m. Clear; temp. 32° to 50°; no wind; no snow, river open. Seven observers in 3 parties. Total party-hours, 56; total party-miles, 306 (11 on foot, 295 by car). Great Blue Heron, 1; Mallard, 3; Am. Merganser, 7; Red-tailed Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 4; Gambel's Quail, 7; Ring-necked Pheasant, 9; Killdeer, 3; Red-shafted Flicker, 15; Hairy Woodpecker, 1; Scrub Jay, 4; Am. Magpie, 15; Common Raven, 1; Plain Titmouse, 2; Pygmy Nuthatch, 1; Bewick's Wren, 3; Am. Robin, 4; Mountain Bluebird, 6; Gray Shrike, 1; Common Starling, 12; House Sparrow, 150; Western Meadowlark, 28; Red-winged Blackbird, 300; Brewer's Blackbird, 5; Cassin's Finch, 10; House Finch, 15; Pine Siskin, 6; Am. Goldfinch, 20; Spotted Towhee, 1; Oregon Junco, 6; Gray-headed Junco, 12; Chipping Sparrow, 1; White-crowned Sparrow, 44; Song Sparrow, 11. **Total,** 35 species; about 710 individuals.—Edith B. Carman (compiler), F. S. Carman, Mary M. Coleman, Lucy F. Ela, W. D. Ela, Lorne E. Gustafson, Robert Gustafson.

444. **Gunnison, Colo.** (from Tomichi Creek up Ohio and Mill Creeks to Little Mill Creek, mountains up to 9000 ft.; spruce-pine-aspen forest 50%, sagebrush hillside 10%, pasture and streamside brush 40%).—Dec. 24; 7 a.m. to 5 p.m. Clear forenoon, then overcast; temp. 38° to 52°; wind SE to W, 0-20 m.p.h.; 5-30-in. old snow, streams open. One observer. Total hours, 10 (7 on foot, 3 by car); total miles, 48 (6 on foot, 39 by car, 3 on skis). Mallard, 9; Am. Golden-eye, 43; Am. Merganser, 5; Golden Eagle, 1; Killdeer, 1; Hairy Woodpecker, 1; Horned Lark, 12; Am. Magpie, 32; Black-capped Chickadee, 1; Mountain Chickadee, 6; Red-breasted Nuthatch, 2; Am. Dipper, 3; Golden-crowned Kinglet, 3; Gray Shrike, 1; Common Starling, 20; House Sparrow, 26; Red-winged Blackbird, 2; Gray-crowned Rosy Finch, 1; Red Crossbill, 5; Oregon Junco, 1; Song Sparrow, 1. **Total,** 21 species; 176 individuals. (Green-winged Teal, Wilson's Snipe, White-breasted Nuthatch, Am. Robin, Townsend's Solitaire, **Water Pipit,** House Finch, Am. Tree Sparrow seen count period.)—A. Sidney Hyde.

445. **Idaho Springs, Colo.** (same area and habitats as 1951 and subsequent years).—Jan. 2; 7 a.m. to 5 p.m. Clear until 3 p.m.; temp. 15° to 35°; wind NW, 5-25 m.p.h.; high ground covered by 6-in. snow, bare at lower elevations, still water frozen, streams open at lower elevations. Ten observers in 4 parties. Total party-hours, 36 (20 on foot, 12 by car, 4 by snowshoe); total party-miles, 148 (24 on foot, 120 by car, 4 by snowshoe). Hairy Woodpecker, 1; Downy Woodpecker, 2; Three-toed Woodpecker, **2** (J.C., P.M.); Gray Jay, 6; Steller's Jay, 50; Am. Magpie, 29; Common Raven, 5; Clark's Nutcracker, **22**; Black-capped Chickadee, 6; Mountain Chickadee, 95; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 1; Pygmy Nuthatch, 1; Brown Creeper, 1; Am. Dipper, 2; Am. Robin, 3; Townsend's Solitaire, 42; Golden-crowned Kinglet, 3; **Gray Shrike, 4**; **Evening Grosbeak, 20**; Cassin's Finch, 2; Pine Grosbeak, 2; Pine Siskin, 4; Red Crossbill, 50; Slate-colored Junco, 9; Oregon Junco, 31 (19 Pink-sided); Gray-headed Junco, 45; junco (sp.), 23. **Total,** 27 species (1 additional subspecies); 463 individuals.—Phyllis Caswell, John L. Chapin, Ann Condit, John W. Flavin, Jr., Ferd Kleinschnitz, Thompson G. Marsh, Phyllis McRae, Sadie Morrison, Dale Rice, Pearl Steinbeck (Colorado Bird Club).

446. **Jefferson County, Colo.** (same area and habitats as last year).—Dec. 26; 5:15 a.m. to 5 p.m. Clear; temp. 30° to 55°; wind NW, 0-15 m.p.h.; ground bare except in woods at higher elevations, streams and lakes open. Twenty-two observers in 8 parties. Total party-hours, 72 (48 on foot, 24 by car); total party-miles, 279 (39 on foot, 240 by car). Great Blue Heron, 1; Canada Goose, 290; Mallard, 1585; Gadwall, 32; Am. Widgeon, 17; Pintail, 9; Green-winged Teal, 8; Wood Duck, 1; Am. Golden-eye, 11; Ruddy Duck, 4; Hooded Merganser, 1; Am. Merganser, 100; Goshawk, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 9; Rough-legged Hawk, 6; buteo (sp.), 1; Golden Eagle, 3; **Bald Eagle, 1** (R.G.); Marsh Hawk, 6; Prairie Falcon, 2; Sparrow Hawk, 4; Ring-necked Pheasant, 26; Am. Coot, 75; Killdeer, 12; Wilson's Snipe, 1; Herring Gull, 4; Ring-billed Gull, 20; **Mourning Dove, 49**; Screech Owl, 1; Horned Owl, 3; Long-eared Owl, 4; Short-eared Owl, 4; Belted Kingfisher, 4; Red-shafted Flicker, 83; Lewis's Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 14; Horned Lark, 25; Scrub Jay, 23; Steller's Jay, **74**; Am. Magpie, 384; Common Raven, 6; Am. Crow, 242; Clark's Nutcracker, **30**; Black-capped Chickadee, 61; Mountain Chickadee, 36; White-breasted Nuthatch, 4; Red-breasted Nuthatch, **22**; Pygmy Nuthatch, 61; Brown Creeper, 2; Am. Dipper, 4; Cañon Wren, **15**; Long-billed Marsh Wren, 1; **Mockingbird, 1**; Am. Robin,

167; Townsend's Solitaire, **52**; Cedar Waxwing, 2; Gray Shrike, **8**; Loggerhead Shrike, 1; Common Starling, **624**; House Sparrow, 94; Western Meadowlark, 131; Red-winged Blackbird, 2086; Brewer's Blackbird, 14; Evening Grosbeak, **220**; Cassin's Finch, 9; House Finch, 136; Gray-crowned Rosy Finch, 54; **Black Rosy Finch,** 6; Pine Siskin, **693**; Am. Goldfinch, 49; Red Crossbill, **58**; Spotted Towhee, 17; White-winged Junco, 35; Slate-colored Junco, 39; Oregon Junco, 466 (2 races); Gray-headed Junco, **270**; junco (sp.), 60; Am. Tree Sparrow, **1242**; Harris's Sparrow, 2; White-crowned Sparrow, **241**; Fox Sparrow, 1 (J.C.); **Swamp Sparrow,** 1 (J.C.); Song Sparrow, 159. **Total,** 83 species (1 additional subspecies); about 10,324 individuals.—Mr. and Mrs. Frank Bayless, Henry Bell, John L. Chapin, Ann Condit, Catherine Crone, Lawrence Crowley, Mr. and Mrs. T. L. Dement, John W. Flavin, Jr., Robert E. Glover, Ferd Kleinschnitz, E. L. Licht, Thompson G. Marsh, Edwin D. Mckee, Phyllis McRae, Sadie Morrison, Ben R. Pfretzschner, Dale Rice, Ranson Stone, Donald M. Thatcher, Blaine Thomas (Colorado Bird Club).

447. Longmont, Colo. (7½-mile radius centering NW of Longmont at intersection of Hygiene and Hover Roads; farmland and roadsides 66%, lakes and ponds 15%, creekbottoms and seepage ditches 15%, marsh 2%, city, cemetery and parks 2%).—Dec. 30; 6:45 a.m. to 5 p.m. Overcast, clearing mid-morning; temp. 27° to 40°; wind W, 0-5 m.p.h.; ground bare, lakes and streams free of ice. Six observers, 4 in 3 parties, 2 observing in yards. Total party-hours, 27 (9½ on foot, 17½ by car); total party-miles, 174 (10 on foot, 164 by car). Great Blue Heron, 2; **Black-crowned Night Heron,** 1; Mallard, 15,350; Pintail, 1; Green-winged Teal, 100; Am. Golden-eye, 1; Am. Merganser, 10; Red-tailed Hawk, 4; Rough-legged Hawk, 12; **Ferruginous Hawk,** 1; Bald Eagle, 2; Marsh Hawk, 5; Sparrow Hawk, 6; Ring-necked Pheasant, 21; Killdeer, 12; Wilson's Snipe, 4; Herring Gull, 17; Mourning Dove, **29**; Belted Kingfisher, 3; Red-shafted Flicker, 77; Hairy Woodpecker, 4; Downy Woodpecker, 10; Lewis's Woodpecker, 14; Horned Lark, 42; Steller's Jay, 2; Am. Magpie, 221; **Common Raven,** 1; Am. Crow, 966; Black-capped Chickadee, 16; White-breasted Nuthatch, 1; Brown Creeper, 1; Am. Dipper, 1; Gray Shrike, 4; Common Starling, 230; House Sparrow, 395; Western Meadowlark, 115; Red-winged Blackbird, 2398; Brewer's Blackbird, 56; Evening Grosbeak, 31; House Finch, 73; Am. Goldfinch, 1; **Red Crossbill,** 1; **White-winged Junco,** 1 (regular at feeder); Slate-colored Junco, 13; Oregon Junco, 114 (60 Pink-sided); Gray-headed Junco, 2; Am. Tree Sparrow, 360; Chipping Sparrow, 1; White-crowned Sparrow, 304 (7 **Gambel's**); Song Sparrow, 76. **Total,** 50 species (2 additional subspecies); about 21,112 individuals. (Seen in area count period: Golden Eagle, Am. Robin.)—Jay Arnold, Mrs. R. J. Baysdorfer, Mrs. Carl N. Collister (compiler), Mrs. Fred Fox, Mrs. Nina Stultz, Mrs. John Thielen.

448. Loveland, Colo. (7½-mile radius centering on bridge over Big Thompson River on U. S. 34, 5 miles west of junction with U. S. 87-287; foothills 50%, open farmland 38%, lakes 5%, Cottonwood river forest 5%, town 2%).—Dec. 24; 7 a.m. to 5:30 p.m. Fair; temp. 46° to 75°; wind variable, 3-30 m.p.h.; ground bare, water open; most water closed several weeks until count period; violent wind storm (gusts to 104 m.p.h.) night of Dec. 23-24. Two observers in 1 party. Total party-hours, 10½ (2½ on foot, 8 by car); total party-miles, 86 (3 on foot, 83 by car). Mallard, 10,158; Pintail, 11; Am. Golden-eye, 6; Red-tailed Hawk, 3; Rough-legged Hawk, 2; Golden Eagle, 2; Marsh Hawk, 1; Ring-necked Pheasant, 2; Killdeer, 3; Ring-billed Gull, 1; Horned Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 1; Red-shafted Flicker, 23; Hairy Woodpecker, 3; Lewis's Woodpecker, 2; Steller's Jay, 6; Am. Magpie, 71; Black-capped Chickadee, 4; **Common Bushtit, 21**; Pygmy Nuthatch, 1; Am. Dipper, 5; Cañon Wren, 5; **Mockingbird,** 1 (carefully identified); Townsend's Solitaire, 4; Golden-crowned Kinglet, 1; Common Starling, 9; House Sparrow, 22; Western Meadowlark, 1; Red-winged Blackbird, 188; House Finch, 26; Spotted Towhee, 1; Slate-colored Junco, 3; Oregon Junco, 135; Gray-headed Junco, 4; junco (sp.), 37; Am. Tree Sparrow, 35; White-crowned Sparrow, 22; Song Sparrow, 13. **Total,** 38 species, about 10,835 individuals. (Seen count period: Great Blue Heron, Sparrow Hawk, Downy Woodpecker, White-breasted Nuthatch, Brown Creeper, **Winter Wren,** Am. Robin, Am. Goldfinch, **White-throated Sparrow.**)—John R. Douglass, Margaret M. Douglass.

449. Lyons, Colo. (same area as 1947 through 1953).—Dec. 26; 7:30 a.m. to 4:45 p.m. Partly cloudy; temp. 25° to 50°; wind W, 0-10 m.p.h.; ground bare, water open. One observer. Total hours, 9 (5 on foot, 4 by car); total miles, 72 (7 on foot, 65 by car). Great Blue Heron, 1; Mallard, 1409; Pintail, 15; Am. Golden-eye, 3; Sparrow Hawk, 1; Ring-necked Pheasant, 4; Killdeer, 5; Wilson's Snipe, 1; gull (sp.), 44; **Mourning Dove, 6** (clearly seen); **Short-eared Owl,** 1; Belted Kingfisher, 7; Red-shafted Flicker, 18; Hairy Woodpecker, 3; Downy Woodpecker, 5; Lewis's Woodpecker, 5; Steller's Jay, 26; Am. Magpie, 38; Black-capped Chickadee, 11; Mountain Chickadee, 2; Pygmy Nuthatch, 12; Am. Dipper, 21; Cañon Wren, 2; Am. Robin, 50; Townsend's Solitaire, 11; **Cedar Waxwing, 6** (all field marks); Gray Shrike, 1; Common Starling, 29; House Sparrow, 28; Western Meadowlark, 7; Red-winged Blackbird, 198; Evening Grosbeak, 17; Cassin's Finch, 18; House Finch, 7; Pine Siskin, 1; Am. Goldfinch, 14; Red Crossbill, 3; **Green-tailed Towhee,** 1; White-winged Junco, 14; Slate-colored Junco, 5; Oregon Junco, 144 (Mostly Pink-sided); Gray-headed Junco, 18; junco (sp.), 10; Am. Tree Sparrow, 18; White-crowned Sparrow, 12; Song Sparrow, 9. **Total,** 45 species (1 additional subspecies); about 2261 individuals.—Hugh E. Kingery.

450. Paonia, Colo. (7-mile radius from Paonia; Piñon-juniper 29%, oak 29%, fields and orchards

22%, Cottonwood riverbottom 14%, marsh 6%).—Dec. 29; 8 a.m. to 4:30 p.m. Overcast; temp. 36° to 51°; wind E, 5-0 m.p.h.; 3-in. snow patches. Two observers in 1 party. Total party-hours, 8½ (6½ on foot, 2 by car); total party-miles, 19 (5 on foot, 14 by car). Am. Golden-eye, 3; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Golden Eagle, 1; Ring-necked Pheasant, 7; Belted Kingfisher, 1; Red-shafted Flicker, 29; Lewis's Woodpecker, 10; Hairy Woodpecker, 1; Steller's Jay, 9; Scrub Jay, 4; Am. Magpie, 38; Black-capped Chickadee, 7; Plain Titmouse, 8; White-breasted Nuthatch, 6; Brown Creeper, 1; Bewick's Wren, 1; Cañon Wren, 1; Am. Robin, 69; Western Bluebird, 4; Mountain Bluebird, 47; Townsend's Solitaire, 6; Gray Shrike, 4; House Sparrow, 10; Red-winged Blackbird, 147; Evening Grosbeak, 6; House Finch, 119; Pine Siskin, 1; Am. Goldfinch, 107; Spotted Towhee, 25; Oregon Junco, 56 (40 Pink-sided); Gray-headed Junco, 74; junco (sp.), 134; White-crowned Sparrow, 41; Song Sparrow, 60. **Total,** 34 species (1 additional subspecies); about 1039 individuals. (Sparrow Hawk, Killdeer, Mallard, Am. Merganser seen count period.)—Homer V. Griffin (compiler), A. Sidney Hyde.

451. **Rocky Mountain National Park, Colo.** (7½-mile radius centering 1 mile west of Estes Park Village on Highway 34, including all accessible areas in park as well as approach highways to east and south; elevation 7500 to 10,800 ft.; grassland 15%, spruce-fir-pine forests 60%, aspen 5%, spruce creekbottoms 5%, deciduous creekbottoms and lakes 10%, town and suburbs 5%).—Jan. 1; 8 a.m. to 5 p.m. Clear; temp. 24° to 51°; wind NW, 35 m.p.h.; snow patches at higher elevations, water bodies mostly unfrozen. Three observers in 2 parties. Total party-hours, 17 (11 on foot, 6 by car); total party-miles, 110 (15 on foot, 95 by car). Am. Golden-eye, 10; Goshawk, 1; Red-tailed Hawk, 2; Golden Eagle, 1; Hairy Woodpecker, 1; Horned Lark, 1; Steller's Jay, 28; Am. Magpie, 6; Common Raven, 1; Clark's Nutcracker, 3; Black-capped Chickadee, 12; Mountain Chickadee, 82; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 31; Pygmy Nuthatch, 39; Brown Creeper, 15; Am. Dipper, 3; Cañon Wren, 1; Am. Robin, 10; Townsend's Solitaire, 26; Golden-crowned Kinglet, 4; Cassin's Finch, 20; Red Crossbill, 18; White-winged Junco, 3; Slate-colored Junco, 4; Oregon Junco, 64; Gray-headed Junco, 21. **Total,** 27 species (1 additional subspecies); 412 individuals. (Seen count period: Gray Shrike, Pine Grosbeak.)—Richard G. Beidleman (compiler), John and Margaret Douglass.

452. **Bosque del Apache National Wildlife Refuge, N. Mex.** (Willow Springs, along south boundary of refuge to reclamation structure, area between Rio Grande and the bluff, north boundary of refuge, Highway 85 to San Antonio and Cottonwood groves ½ mile north, Highway 1 to north of San Antonio).—Dec. 28; 6 a.m. to 4:45 p.m. Clear; temp. 30° to 67°, wind S, 3-5 m.p.h.; ponds, ditches, river open. Three observers in 2 parties. Total party-hours, 20 (5 on foot, 15 by car); total party-miles, 106 (7 on foot, 99 by car). Pied-billed Grebe, 6; Great Blue Heron, 42; Am. Egret, 2; Black-crowned Night Heron, 5; Canada Goose, 3106; Snow Goose, 240; Blue Goose, 3; Mallard, 5207; Gadwall, 151; Am. Widgeon, 150; Pintail, 420; Green-winged Teal, 25; Blue-winged Teal, 2; Shoveller, 60; Buffle-head, 3; Hooded Merganser, 1; Am. Merganser, 410; Sharp-shinned Hawk, 1; Cooper's Hawk, 6; Red-tailed Hawk, 15; Golden Eagle, 2; Bald Eagle, 2; Marsh Hawk, 16; Sparrow Hawk, 15; Gambel's Quail, 121; Ring-necked Pheasant, 8; Sandhill Crane, 850; Am. Coot, 60; Killdeer, 24; Wilson's Snipe, 28; Greater Yellow-legs, 5; Least Sandpiper, 8; **Dowitcher, 2**; Ring-billed Gull, 1; Mourning Dove, 295; Road-runner, 11; Belted Kingfisher, 3; Red-shafted Flicker, 61; **Lewis's Woodpecker,** 1 (present for weeks); Ladder-backed Woodpecker, 5; Black Phoebe, 3; Say's Phoebe, 17; Scrub Jay, 5; Verdin, 1; Bewick's Wren, 2; Long-billed Marsh Wren, 4; Rock Wren, 3; **Curve-billed Thrasher,** 2 (carefully identified); Crissal Thrasher, 1; Sage Thrasher, 1; Am. Robin, 5; Western Bluebird, 70; Mountain Bluebird, 6; Ruby-crowned Kinglet, 9; Water Pipit, 30; Loggerhead Shrike, 12; Common Starling, 6; Audubon's Warbler, 4; House Sparrow, 52; Western Meadowlark, 205; Yellow-headed Blackbird, 1230; Red-winged Blackbird, **75,000**; Brewer's Blackbird, 60; Boat-tailed Grackle, 19; **Pyrrhuloxia,** 1; House Finch, 243; Pine Siskin, 9; Am. Goldfinch, 17; Spotted Towhee, 5; Savannah Sparrow, 20; Vesper Sparrow, 2; Black-throated Sparrow, 2; Sage Sparrow, 4; Oregon Junco, 108 (10 Pink-sided); Gray-headed Junco, 3; Brewer's Sparrow, 38; White-crowned Sparrow, 819; Song Sparrow, 32. **Total,** 77 species (2 additional subspecies); about 89,423 individuals. (Seen census period: Am. Bittern, White-fronted Goose, Mottled Duck, Scaled Quail, Horned Owl, Plain Titmouse, Lesser Goldfinch, Swamp Sparrow.)—Raymond J. Fleetwood (compiler), Raymond H. Hunter, Roe E. Meyer.

453. **Clayton, N. Mex.** (same general area as last 2 years; Clayton, southeast 8 miles, north 3 miles to Paradise Canyon, west 7 miles to and over portion of Killgore Ranch; Clayton 5%, farming 10%, canyon 15%, lakes 5%, prairie 30%, along Perico Creek 35%).—Dec. 24; 9:30 a.m. to 5:30 p.m. Clear; temp. 55° to 77°; wind SW, 15 m.p.h.; powder dry underfoot. Three observers in 2 parties. Total party-hours, 11 (7 on foot, 4 by car); total party-miles, 67 (7 on foot, 60 by car). Mallard, 26; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Ferruginous Hawk, 1; Golden Eagle, 1; Bald Eagle, 1; Marsh Hawk, 2; Prairie Falcon, 3; Sparrow Hawk, 3; Scaled Quail, 282; Ring-necked Pheasant, 2; Killdeer, 2; Mourning Dove, 24; Yellow-shafted Flicker, 1; Red-shafted Flicker, 6; Ladder-backed Woodpecker, 9; Horned Lark, 260; Am. Magpie, 41; Brown Creeper, 1; Mockingbird, 2; Am. Robin, 51; Townsend's Solitaire, 8; Loggerhead Shrike, 5; Common Starling, 121; House Sparrow, 200; Western Meadowlark, 51; Red-winged Blackbird, 159; Brown-headed Cowbird, 40; Pine Siskin, 40; Spotted Towhee, 1; Brown Towhee, 2; Slate-colored Junco, 4; Oregon Junco, 64 (Pink-sided, 38); Am. Tree Spar-

row, 26; Harris's Sparrow, 22; White-crowned Sparrow, 180; Fox Sparrow, 7; Song Sparrow, 21. **Total,** 38 species (1 additional subspecies); about 1671 individuals. (Seen count period: Canada Goose, Buffle-head, Horned Owl, Red-bellied Woodpecker, Downy Woodpecker, Cañon Wren, Brown Thrasher, Chestnut-collared Longspur.)—W. W. Cook, A. J. Krehbiel (compiler), P. W. Snoeberger.

454. Española, N. Mex. (7½-mile radius centering on Rio Grande bridge at Española, including pueblos of San Juan and San Ildefonso, villages of Chamita, Pojoaque, Chimayó, Alcalde; altitude 5500-6500 ft.; river bottomland and bosque 75%, plains 10%, upland conifers 15%).—Dec. 26; 8:30 a.m. to 4:30 p.m. Mostly clear; temp. 30° to 50°; wind W, 3-5 m.p.h.; ground free of snow, river and ponds open, some ice on irrigation ditches. Four observers in 3 parties. Total party-hours, 27 (14 on foot, 13 by car); total party-miles, 111 (8 on foot, 103 by car). Mallard, 2; Am. Golden-eye, 1; Buffle-head, 1; Marsh Hawk, 2; Prairie Falcon, 1; Sparrow Hawk, 4; Scaled Quail, 18; Killdeer, 4; Mourning Dove, 30; Belted Kingfisher, 5; Red-shafted Flicker, 249; Lewis's Woodpecker, 5; Downy Woodpecker, 1; Scrub Jay, 10; Am. Magpie, 20; Common Raven, 11; Piñon Jay, 105; Black-capped Chickadee, 14; Mountain Chickadee, 3; Plain Titmouse, 1; White-breasted Nuthatch, 1; Bewick's Wren, 5; Am. Robin, 491; Ruby-crowned Kinglet, 3; Loggerhead Shrike, 1; House Sparrow, 115; Western Meadowlark, 9; Red-winged Blackbird, 38; Brewer's Blackbird, 3; Evening Grosbeak, 8; Cassin's Finch, 3; House Finch, 180; Pine Siskin, 22; Lesser Goldfinch, 18; Spotted Towhee, 1; Brown Towhee, 3; **Slate-colored Junco,** 1 (M.V.M.); Oregon Junco, 255 (Pink-sided, 9); Gray-headed Junco, 151; Am. Tree Sparrow, 1; White-crowned Sparrow, 35 (Gambel's, 3); **White-throated Sparrow,** 1 (M.C., D.C.); Song Sparrow, 34. **Total,** 43 species (2 additional subspecies); about 1866 individuals. (Seen during week: Am. Merganser.)—Don T. Cromer, Marjory A. Cromer, M. Vincent Mowbray, Patricia R. Snider (compiler).

455. Roswell, N. Mex. (Roswell and outlying areas, including East Grand Plains and Bitter Lake National Wildlife Refuge, all included in 15-mile diameter circle; plowed fields 33%, grass field 34%, suburbs 10%, riverbottom 4%, pond surface 2% [17%=?—Ed.]).—Dec. 31; 6 a.m. to 5:15 p.m. Overcast a.m., clearer p.m.; temp. 47° to 54°; wind NW, 2 m.p.h. Ten observers in 3 parties. Total party-hours, 72 (12 on foot, 60 by car); total party-miles, 150 (10 on foot, 140 by car). Horned Grebe, 1; Eared Grebe, 4; Pied-billed Grebe, 2; Great Blue Heron, 39; Am. Egret, 2; Black-crowned Night Heron, 2; Am. Bittern, 2; Whistling Swan, 1; Canada Goose, 75; Snow Goose, 11; Mallard, 14,000; Gadwall, 130; Am. Widgeon, 18,000; Pintail, 10,800; Green-winged Teal, 10; Shoveller, 100; Ring-necked Duck, 7; Canvas-back, 750; Lesser Scaup, 350; Am. Golden-eye, 2; Buffle-head, 8; Ruddy Duck, 140; Hooded Merganser, 8; Am. Merganser, 110; Red-breasted Merganser, 4; Red-tailed Hawk, 9; Rough-legged Hawk, 4; Golden Eagle, 1; Marsh Hawk, 23; Sparrow Hawk, 29; Scaled Quail, 136; Ring-necked Pheasant, 1; Sandhill Crane, 14,000; Am. Coot, 4300; Killdeer, 17; Greater Yellow-legs, 4; Glaucous-winged Gull, 7 [no details, not underlined as unusual—Ed.]; Western Gull, 5 [no details, not underlined as unusual—Ed.]; Herring Gull, 500; Ring-billed Gull, 6; Mourning Dove, 48; Road-runner, 5; Burrowing Owl, 2; Belted Kingfisher, 2; Red-shafted Flicker, 21; Ladder-backed Woodpecker, 1; Say's Phoebe, 3; Horned Lark, 200; Scrub Jay, 1; Long-billed Marsh Wren, 5; Mockingbird, 2; Am. Robin, 3; Western Bluebird, 3; Ruby-crowned Kinglet, 1; Water Pipit, 450; Loggerhead Shrike, 22; Common Starling, 6232; Audubon's Warbler, 9; House Sparrow, 5600; Western Meadowlark, 6; Brewer's Blackbird, 12,000; House Finch, 109; Lesser Goldfinch, 95; Spotted Towhee, 1; Savannah Sparrow, 60; Vesper Sparrow, 5; Sage Sparrow, 5; Oregon Junco, 67; Chipping Sparrow, 8; White-crowned Sparrow, 1006; Lincoln's Sparrow, 3; Swamp Sparrow, 1; Song Sparrow, 7. **Total,** 73 species; about 96,333 individuals. (Seen in area count period: **Ross's Goose,** Blue Jay, White Pelican.)—Leslie Beaty, Delbert L. Boggs (compiler), Larry Boggs, Winston H. Cox, Winston H. Cox, Jr., Robert A. Garrett (compiler), Ladd Gordon, Vester Montgomery, James Sikes, Bill Simpson.

456. Santa Fe, N. Mex. (7½-mile radius centering at northeast corner of city limits; elevation 7000-10,000 ft.).—Dec. 26; 7 a.m. to 5 p.m. Clear; temp. 30° to 60°; no wind; ground mostly bare below 8000 ft., snow-covered above, ponds open, streams partly ice-covered. Two observers in 1 party. Total party-hours, 10 (5 on foot, 5 by car); total party-miles, 55 (10 on foot, 45 by car). Sharp-shinned Hawk, 1; Sparrow Hawk, 2; Red-shafted Flicker, 5; Lewis's Woodpecker, 4; Hairy Woodpecker, 1; Downy Woodpecker, 1; Scrub Jay, 13; Common Raven, 28; Piñon Jay, 137; Black-capped Chickadee, 13; Plain Titmouse, 1; White-breasted Nuthatch, 10; Am. Robin, 4; Western Bluebird, 13; Townsend's Solitaire, 19; Common Starling, 95; House Sparrow, 44; House Finch, 110; Spotted Towhee, 5; Brown Towhee, 7; Slate-colored Junco, 2; Oregon Junco, 129 (Pink-sided, 1); Gray-headed Junco, 224; White-crowned Sparrow, 51; Song Sparrow, 5. **Total,** 25 species (1 additional subspecies); about 924 individuals. (Seen in area count period: Mountain Bluebird.)—Mr. and Mrs. Leon A. Wiard.

457. Socorro, N. Mex. (Highway 85 to Escondida, dirt road to Pueblito, McAlister Lake and irrigation ditch to Lemitar, return to Socorro via riverside dike, Box canyon via Highway 60, return to Socorro via Highway 60, to Hope Farm returning to Socorro via riverside dike and sewage plant road; irrigated farmlands 50%, river bosque 10%, juniper-oak foothills 10%, Mesquite-Cresote Bush upland 20%, pasture 10%).—Dec. 26; 7:30 a.m. to 5 p.m. Clear; temp. 36° to 61°; wind N, 6-8 m.p.h.; ponds, river and ditches not frozen. Two observers in 1 party. Total party-hours, 8½ (5 on foot, 3½ by car); total

party-miles, 59 (5 on foot, 54 by car). Canada Goose, 15; Mallard, 1; Cooper's Hawk, 1; Red-tailed Hawk, 5; Marsh Hawk, 10; Sparrow Hawk, 22; Gambel's Quail, 67; Ring-necked Pheasant, 5; Sandhill Crane, 28; Killdeer, 8; Mourning Dove, 213; Road-runner, 5; Horned Owl, 1; Red-shafted Flicker, 30; Hairy Woodpecker, 4; Ladder-backed Woodpecker, 2; Say's Phoebe, 14; Horned Lark, 80; **Steller's Jay,** 1; Scrub Jay, 4; White-breasted Nuthatch, 2; Bewick's Wren, 1; Long-billed Marsh Wren, 3; Cañon Wren, 1; Rock Wren, 1; Am. Robin, 4; Western Bluebird, 62; Mountain Bluebird, 37; Loggerhead Shrike, 18; Common Starling, 1150; House Sparrow, 132; Western Meadowlark, 85; Yellow-headed Blackbird, 510; Red-winged Blackbird, **50,000**; Brewer's Blackbird, 830; Brown-headed Cowbird, 4; House Finch, 36; Pine Siskin, 30; Am. Goldfinch, 18; Spotted Towhee, 9; Savannah Sparrow, 2; Vesper Sparrow, 4; Oregon Junco, 118 (Pink-sided, 19); Gray-headed Junco, 19; White-crowned Sparrow, 210; Song Sparrow, 16. **Total,** 46 species (2 additional subspecies); about 53,818 individuals.—Raymond J. Fleetwood (compiler), Nona J. Fleetwood.

458. **Lewiston, Idaho** (7½-mile radius from Clearwater Dam west to Washington line only; rivers and river margins 60%, brushy streambottoms 20%, rocky bluffs 10%, open fields 10%).—Dec. 27; 7 a.m. to 4:30 p.m. Mostly overcast, some rain; temp. 32° to 37°; no wind. Two observers in 1 party. Total party-hours, 9½ (6½ on foot, 3 by car); total party-miles, 93 (7 on foot, 86 by car). **Horned Grebe, 4**; Great Blue Heron, 1; **Am. Bittern,** 1 (J.V.); Canada Goose, 26; Mallard, 428; Green-winged Teal, 1; Redhead, 5; Ring-necked Duck, 2; Canvas-back, 1; Am. Golden-eye, 14; Hooded Merganser, 4; Am. Merganser, 11; Red-tailed Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 7; European Partridge, 3; California Quail, 456; Ring-necked Pheasant, 113; Am. Coot, 7; Killdeer, 2; Wilson's Snipe, 2; Mourning Dove, 30; Pygmy Owl, 1; Belted Kingfisher, 2; Red-shafted Flicker, 13; Am. Magpie, 13; Black-capped Chickadee, 8; Golden-crowned Kinglet, 1; Bohemian Waxwing, 2; Gray Shrike, 2; Common Starling, 69; House Sparrow, 393; Western Meadowlark, 10; Red-winged Blackbird, 153; Brewer's Blackbird, 30; **Purple Grackle,** 1 (collected —J.V.); Evening Grosbeak, 38; House Finch, 248; Common Redpoll, 1; Am. Goldfinch, 46; Oregon Junco, 69; Am. Tree Sparrow, 31; White-crowned Sparrow, 6; Song Sparrow, 85. **Total,** 44 species; about 2344 individuals.—Ethel Verner, Jared Verner (compiler).

459. **Moscow, Idaho** (7½-mile radius from Moscow west to Washington line only; open fields with streams supporting willow and low brush 40%, coniferous forest 50%, residential area 10%).—Dec. 26; 7 a.m. to 4:45 p.m. Heavily overcast, some rain; temp. 35° to 45°; wind SE, 0-10 m.p.h. Two observers in 2 parties. Total party-hours, 14¾ (10¾ on foot, 4 by car); total party-miles, 113 (9 on foot, 104 by car). Mallard, 62; Sparrow Hawk, 3; California Quail, 6; Ring-necked Pheasant, 14; Wilson's Snipe, 3; Horned Owl, 2; Short-eared Owl, 1; Red-shafted Flicker, 6; Steller's Jay, 1; Am. Magpie, 68; Black-capped Chickadee, 13; Mountain Chickadee, 1; Red-breasted Nuthatch, 3; Pygmy Nuthatch, 2; Brown Creeper, 4; Am. Robin, 6; Varied Thrush, 1; Golden-crowned Kinglet, 12; Bohemian Waxwing, 2000; Gray Shrike, 1; Common Starling, 13; House Sparrow, 36; Evening Grosbeak, 17; House Finch, 23; Am. Goldfinch, 55; Red Crossbill, 2; Oregon Junco, 19; Song Sparrow, 10. **Total,** 28 species; about 2384 individuals.—Jared Verner (compiler), Leif Verner.

460. **Nampa, Idaho** (7½-mile radius centering on Deer Flat Wildlife Refuge, including Snake River at Marsing, Kurtz, Indian Creek; pasture 25%, plow land 50%, town shrubs and trees 5%, deciduous fencerows 10%, cattail marsh 5%, deciduous growth 5%). —Dec. 26; 8 a.m. to 5 p.m. Cloudy; temp. 20° to 24°; wind SE to NW, 12-25 m.p.h.; little ice and no snow. Eight observers in 3 parties. Total party-hours, 24 (8 on foot, 16 by car); total party-miles, 65 (5 on foot, 60 by car). Horned Grebe, 3; Great Blue Heron, 9; Canada Goose, 2095; Mallard, 135,000; Am. Widgeon, 20,000; Pintail, 5000; Green-winged Teal, 550; Redhead, 100; Lesser Scaup, 2004; Am. Golden-eye, 500; Buffle-head, 200; Hooded Merganser, 3; Am. Merganser, 2500; Red-breasted Merganser, 7; Cooper's Hawk, 1; Red-tailed Hawk, 9; Swainson's Hawk, 3; Rough-legged Hawk, 1; Marsh Hawk, 22; Sparrow Hawk, 5; Mountain Quail, 20; Ring-necked Pheasant, 168; Am. Coot, 160; Ring-billed Gull, 96; Mourning Dove, 1; Long-eared Owl, 1; Belted Kingfisher, 1; Red-shafted Flicker, 13; Downy Woodpecker, 1; Am. Magpie, 330; Common Raven, 2; Am. Crow, 1966; Mountain Chickadee, 5; Brown Creeper, 5; Cañon Wren, 1; Mountain Bluebird, 2; Cedar Waxwing, 30; Common Starling, 1738; House Sparrow, 2579; Western Meadowlark, 42; Red-winged Blackbird, 2; Brewer's Blackbird, 2026; Evening Grosbeak, 12; Cassin's Finch, 2; House Finch, 33; Hoary Redpoll, 2; Common Redpoll, 2; Pine Siskin, 12; Am. Goldfinch, 39; Spotted Towhee, 1; Oregon Junco, 299 (10 Pink-sided); White-crowned Sparrow, 176; Song Sparrow, 12. **Total,** 53 species (1 additional subspecies); about 177,791 individuals. (Seen in area count period: Gray Shrike, Am. Robin.)—Elsie Allan, Wayne Aller, F. Sheldon Dart, Carlyle Dean, Mickey Dean, C. C. Hill, Ann Rosenlof, Mrs. H. E. Shaw (compiler).

461. **Rexburg, Idaho** (7½-mile radius centering 3½ miles west of Rexburg including Sugar City and Menan Buttes; farmland 60%, sagebrush 25%, river-bottom 12%, towns 3%).—Dec. 31; 7:45 a.m. to 5 p.m. Overcast, snow to clearing, then rain; temp. 30° to 42°; wind SW, 0-3 m.p.h.; ground with light skiff of snow which melted in afternoon rain, ponds frozen, river mostly open. Four observers in 2 parties. Total party-hours, 17½ (14 on foot, 3½ by car); total party-miles, 148 (18 on foot, 130 by car). Canada Goose, 38; Mallard, 182; Canvas-back, 2; Am. Golden-eye, 29; Am. Merganser, 4; **Red-tailed Hawk,** 1; Rough-legged Hawk, 1; Ferruginous Hawk, 1; Marsh Hawk, 2; Prairie Falcon, 2; Pigeon Hawk,

1; Ring-necked Pheasant, 8; Belted Kingfisher, 1; Red-shafted Flicker, 11; Horned Lark, 16; Am. Magpie, 247; Black-capped Chickadee, 40; Am. Robin, 66; Gray Shrike, 2; Common Starling, 16; House Sparrow, 289; Red-winged Blackbird, 1; **Common Redpoll,** 11 (D.H., G.M.); Am. Tree Sparrow, 24; **White-crowned Sparrow,** 1 (carefully identified—H. F., K.P.); Song Sparrow, 10. **Total,** 26 species; about 1006 individuals. (Seen count period: Golden Eagle, Bald Eagle, **Mourning Dove,** Horned Owl, **Clark's Nutcracker,** Am. Goldfinch.)—Herbert H. Frost, Donnell Hunter (compiler), Grant Mason, Kenneth Powell.

462. Bear River Migratory Bird Refuge, Utah (from Refuge Headquarters west along canal road, south and east over dikes to Perry, north along foothills to Brigham, west through fields and over salt flats, touching points along Bear River; marsh and ponds 50%, fields and farmlands 25%, pasture and river banks 25%).—Dec. 27; 8:30 a.m. to 4:30 p.m. Cloudy, light rain changing to snow; temp. 37° to 31°; wind N, 10-20 m.p.h.; trace of snow on ground, ponds and marshes generally free of ice, river open. Two observers in 1 party. Total party-hours, 8 (1 on foot, 7 by car); total party-miles, 41 (2 on foot, 39 by car). Pied-billed Grebe, 2; Great Blue Heron, 17; Black-crowned Night Heron, 2; Whistling Swan, 1643; Canada Goose, 36; Mallard, 7729; Gadwall, 1; Am. Widgeon, 3; Pintail, 34; Green-winged Teal, 7; Shoveller, 1; Redhead, 1; Canvas-back, 1; Am. Golden-eye, 5; Buffle-head, 1; Am. Merganser, 47; Red-breasted Merganser, 103; Rough-legged Hawk, 12; Ferruginous Hawk, 1; Golden Eagle, 4; Marsh Hawk, 6; Ring-necked Pheasant, 44; Am. Coot, 9; Killdeer, 1; Herring Gull, 3; Ring-billed Gull, 174; Red-shafted Flicker, 2; Horned Lark, 15; Am. Magpie, 11; Common Raven, 36; Long-billed Marsh Wren, 2; Common Starling, 116; House Sparrow, 144; Red-winged Blackbird, 84; Brewer's Blackbird, 12; Brown-headed Cowbird, 9; Am. Goldfinch, 42; White-crowned Sparrow, 24; Song Sparrow, 1. **Total,** 39 species; about 10,385 individuals.—Vanez T. Wilson (compiler), William A. Reid.

463. Roosevelt, Utah (same area as 1950 and subsequent years).—Dec. 29; 7:30 a.m. to 5:30 p.m. Mostly cloudy; temp. 42° to 27°; no wind; 1-in. light snow which melted by noon, streams open, ponds and lakes frozen. Three observers in 1 party. Total party-hours, 10 (3 on foot, 7 by car); total party-miles, 90 (3 on foot, 87 by car). Great Blue Heron, 1; Mallard, 7; Green-winged Teal, 8; Ruddy Duck, 4; Red-tailed Hawk, 6; Rough-legged Hawk, 10; Marsh Hawk, 3; Prairie Falcon, 1; Pigeon Hawk, 2; Sparrow Hawk, 4; Ring-necked Pheasant, 56; Killdeer, 1; Wilson's Snipe, 1; Horned Owl, 2; Short-eared Owl, 2; Red-shafted Flicker, 27; Downy Woodpecker, 3; Horned Lark, 115; Scrub Jay, 1; Am. Magpie, 185; Common Raven, 2; Black-capped Chickadee, 36; Long-billed Marsh Wren, 12; Am. Robin, 14; Mountain Bluebird, 4; Water Pipit, 27; Loggerhead Shrike, 4; Common Starling, 1145; House Sparrow, 355; Western Meadowlark, 31; Red-winged Blackbird, 5143; Brewer's Blackbird, 27; Evening Grosbeak, 2; Am. Goldfinch, 92; Spotted Towhee, 2; Oregon Junco, 270; Am. Tree Sparrow, 73; Harris's Sparrow, 13; White-crowned Sparrow, 108; Song Sparrow, 29. **Total,** 40 species; about 7828 individuals.—Donald Heed, Merlin L. Killpack (compiler), John Perceval.

464. Salt Lake City, Utah (7½-mile radius centering on Temple Square; canyons and benchlands 50%, water courses, ponds and open country 40%, parks, cemeteries and suburbs 10%).—Dec. 26; 7:30 a.m. to 5 p.m. Light clouds all day; temp. 48° to 58°; wind S, 10-30 m.p.h.; ground bare and unfrozen except on north slopes in shade. Thirty-four observers in 14 parties. Total party-hours, 129; total party-miles, 524 (191 on foot, 333 by car). Eared Grebe, 2; Pied-billed Grebe, 5; Great Blue Heron, 3; **Snowy Egret,** 1 (probably left over from botulism); **Green Heron,** 1 (since Dec. 23—C.W.L.); Black-crowned Night Heron, 1; Am. Bittern, 1; Whistling Swan, 93; Canada Goose, 140; Mallard, 36; Gadwall, 1; Am. Widgeon, 141; Pintail, 476; Green-winged Teal, 17; Blue-winged Teal, 2; Cinnamon Teal, 11; Shoveller, 27; Wood Duck, 2; Redhead, 1; Am. Golden-eye, 19; Ruddy Duck, 24; Hooded Merganser, 1; Am. Merganser, 7; **Turkey Vulture,** 1; Goshawk, 3; Sharp-shinned Hawk, 7; Cooper's Hawk, 1; Red-tailed Hawk, 5; **Swainson's Hawk,** 2 (B.S.); Rough-legged Hawk, 13; Ferruginous Hawk, 2; Golden Eagle, 8; Bald Eagle, 17; Marsh Hawk, 23; Prairie Falcon, 6; Peregrine Falcon, 1; Pigeon Hawk, 4; Sparrow Hawk, 54; Blue Grouse, 4; Ruffed Grouse, 14; California Quail, 692; Ring-necked Pheasant, 88; Am. Coot, 351; Killdeer, 39; Wilson's Snipe, 43; California Gull, 41; Ring-billed Gull, 6; **Franklin's Gull,** 3 (R.B.S.); Mourning Dove, 9; Screech Owl, 1; Horned Owl, 7; Pygmy Owl, 1; Long-eared Owl, 1; Short-eared Owl, 7; Saw-whet Owl, 1; Red-shafted Flicker, 195; Lewis's Woodpecker, 13; Yellow-bellied Sapsucker, 6; Williamson's Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 15; Horned Lark, 159; Steller's Jay, 22; Scrub Jay, 55; Am. Magpie, 112; Common Raven, 14; Am. Crow, 3; Clark's Nutcracker, 7; Black-capped Chickadee, 156; Mountain Chickadee, 18; **Plain Titmouse,** 2 (1 seen for 2 months); White-breasted Nuthatch, 5; Red-breasted Nuthatch, 2; Brown Creeper, 16; Am. Dipper, 10; **House Wren,** 1 (first winter record—T.D.); Long-billed Marsh Wren, 23; **Cañon Wren,** 1; Am. Robin, 625; Townsend's Solitaire, 27; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 10; Water Pipit, 11; Bohemian Waxwing, 100; Cedar Waxwing, 50; Gray Shrike, 12; **Loggerhead Shrike,** 1 (K.T.); Common Starling, 5744; **Nashville Warbler,** 1 (R.B.S.); **Audubon's Warbler,** 1; House Sparrow, 3769; Western Meadowlark, 111; Red-winged Blackbird, 910; Brewer's Blackbird, 2304; **Western Tanager,** 1 (T.D.); Evening Grosbeak, 16; Cassin's Finch, 8; House Finch, 591; Gray-crowned Rosy Finch, 10; Black Rosy Finch, 195; Pine Siskin, 161; Am. Goldfinch, 171; Spotted Towhee, 60; Slate-colored Junco, 47; Oregon Junco, 510; Gray-headed Junco, 14; Am. Tree Sparrow, 6;

Harris's Sparrow, 9; White-crowned Sparrow, 228; Fox Sparrow, 22; **Lincoln's Sparrow,** 1 (B.S.); Song Sparrow, 172. **Total,** 111 species (2 additional subspecies); about 19,216 individuals.—Bill Bader, Lorin Carsey, Roger Claude, Marie P. Crane, Thomas A. Dewey, Thayer Evans, Reed Ferris, Martha Fraser, Elsie Geoghegan, Lucile Gilmer, Jon Ghiselin, Betty Jones, Gleb Kashin, Jon Leatham, C. W. Lockerbie (compiler), Mrs. C. W. Lockerbie, Darrell McCullough, Mrs. F. J. Patton, Jim Robertson, Mr. and Mrs. Stewart Romney, Garret Steenblik, J. M. Stevens, Mae Stevens, Boyd Shaffer, Rex B. Snow, Michael Taggert, Kenneth Tanner, Dr. and Mrs. B. L. Vandermeer, Bert Webb, Frank Welch, Mary Wayne, Jane Worthington (Utah Audubon Society and guests).

465. **Imperial National Wildlife Refuge, Ariz.–Calif.** (inside refuge only, from Imperial Dam vicinity to and including Martinez Lake area; brushy willow-cottonwood woodland 5%, open water with cattail-cane edges and barren sandbars 45%, Mesquite-Arrowweed-Tamarisk brush bordering water 45%, newly-developed refuge farm area 5%).—Dec. 27; 7 a.m. to 6:15 p.m. Mostly overcast, clearing late p.m.; temp. 61° to 70°; wind SW, 0-8 m.p.h. Two observers in 1 party. Total party-hours, 11¼ (6½ on foot, 1¼ by car, 3½ by boat); total party-miles, 29 (5 on foot, 10 by car, 14 by boat). Eared Grebe, 25; Pied-billed Grebe, 29; White Pelican, 21; Double-crested Cormorant, 49; Great Blue Heron, 31; Am. Egret, 37; Snowy Egret, 63; Black-crowned Night Heron, 2; Whistling Swan, 24; Canada Goose, 189; Snow Goose, 51; Mallard, 41; Gadwall, 48; Am. Widgeon, 77; Pintail, 57; Green-winged Teal, 440; Shoveller, 67; Ring-necked Duck, 30; Canvas-back, 147; Lesser Scaup, 15; Buffle-head, 11; Ruddy Duck, 27; Am. Merganser, 72; Sharp-shinned Hawk, 1; Red-tailed Hawk, 3; Harris's Hawk, 5; **Bald Eagle,** 1 (immature carefully identified); Marsh Hawk, 12; Sparrow Hawk, 1; Gambel's Quail, 99; Sora, 2; Florida Gallinule, 2; Am. Coot, 5142; Killdeer, 9; Wilson's Snipe, 8; Spotted Sandpiper, 11; Greater Yellow-legs, 2; Least Sandpiper, 179; Dowitcher, 13; Ring-billed Gull, 450; Mourning Dove, 2; Road-runner, 1; Belted Kingfisher, 4; Red-shafted Flicker, 10; Gilded Flicker, 1; Gila Woodpecker, 14; Yellow-bellied Sapsucker, 1; Ladder-backed Woodpecker, 2; Black Phoebe, 15; Say's Phoebe, 13; Vermilion Fly-catcher, 5; Tree Swallow, 5900; **Rough-winged Swallow, 2** (first Dec. record, carefully identified); Verdin, 10; House Wren, 12; Long-billed Marsh Wren, 11; Rock Wren, 5; Crissal Thrasher, 1; Am. Robin, 9; Black-tailed Gnatcatcher, 4; Ruby-crowned Kinglet, 8; Water Pipit, 36; Phainopepla, 9; Logger-head Shrike, 7; Orange-crowned Warbler, 6; Audubon's Warbler, 42; Common Yellowthroat, 3; **Black-capped Warbler,** 1 (first winter record, carefully studied); House Sparrow, 6; Western Meadowlark, 103; Red-winged Blackbird, 160; House Finch, 18; Abert's Towhee, 15; Sage Sparrow, 16; White-crowned Sparrow, 25; Lincoln's Sparrow, 1; Song Sparrow, 3. **Total,** 77 species; about 14,974 individuals. (Seen in area census period: Peregrine Falcon.) [Exceptionally neat careful report with details for all unusual observations.—Ed.]—Harold D. Irby, Gale Monson (compiler).

466. **Phoenix, Ariz.** (7½-mile radius from ¼ mile south and ¼ mile east of 91 Avenue and Indian School Road, including portions of Grand Canal and riverbeds of the Salt, New and Agua Fria; urban 25%, cotton fields and cropland 24%, grain and pasture 12%, citrus 12%, open water and marshes 2%, dry riverbed and Creosotebush desert 25%).—Dec. 26; 7:05 a.m. to 6 p.m. Clear, thin cloudiness by 11 a.m.; temp. 44° to 77°; wind variable, 0-4 m.p.h. Twenty-two observers in 3 parties. Total party-hours, 30½ (24½ on foot, 6 by car); total party-miles, 124 (18 on foot, 106 by car). Great Blue Heron, 1; Green Heron, 9; Least Bittern, 1; Canada Goose, 8; Mallard, 26; Am. Widgeon, 6; Pintail, 6; Green-winged Teal, 263; Blue-winged Teal, 2; Shoveller, 223; Ring-necked Duck, 8; Canvas-back, 20; Ruddy Duck, 1; Am. Merganser, 3; Turkey Vulture, 51; Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-tailed Hawk, 10; Marsh Hawk, 23; Sparrow Hawk, 64; Gambel's Quail, 57; **Ring-necked Pheasant,** 1 (5 observers); Virginia Rail, 2; Sora, 2; Am. Coot, 32; Killdeer, 43; Wilson's Snipe, 52; Greater Yellow-legs, 31; Least Sandpiper, 273; Dowitcher, 7; Mourning Dove, 1265; **White-winged Dove,** 1 (A.P. party); Ground Dove, 3; Inca Dove, 135; Road-runner, 10; Barn Owl, 1; Screech Owl, 2; Burrowing Owl, 1; Anna's Hummingbird, 3; Red-shafted Flicker, 115; Gila Woodpecker, 70; Ladder-backed Wood-pecker, 1; Black Phoebe, 33; Say's Phoebe, 4; Ver-milion Flycatcher, 13; Horned Lark, 25; Verdin, 57; Brown Creeper, 1; House Wren, 5; Bewick's Wren, 1; Cactus Wren, 34; Long-billed Marsh Wren, 18; Mockingbird, 26; Bendire's Thrasher, 30; Curve-billed Thrasher, 4; Crissal Thrasher, 1; Sage Thrasher, 3; Am. Robin, 201; Hermit Thrush, 2; Mountain Blue-bird, 12; Blue-gray Gnatcatcher, 1; Black-tailed Gnatcatcher, 2; Ruby-crowned Kinglet, 31; Water Pipit, 78; Cedar Waxwing, 33; Loggerhead Shrike, 27; Common Starling, 63; Solitary Vireo, 3; Orange-crowned Warbler, 30; Audubon's Warbler, 476; **Audubon x Myrtle Warbler hybrid,** 2 (1 collected); **Black-throated Gray Warbler,** 4 (2 collected); Common Yellowthroat, 3; House Sparrow, 1173; **Eastern Meadowlark,** 15 (A.P. party); Western Meadowlark, 268; Yellow-headed Blackbird, 47,564; Red-winged Blackbird, 30,855; Brewer's Blackbird, 451; Boat-tailed Grackle, 18; Brown-headed Cowbird, 166; Cardinal, 14; **Lazuli Bunting,** 5; **Evening Grosbeak,** 17 (1 collected); **Purple Finch,** 2 (1 collected); House Finch, 417; Pine Siskin, 6; Am. Goldfinch, 11; Lesser Goldfinch, 12; Lawrence's Goldfinch, 19; Green-tailed Towhee, 2; Spotted Towhee, 4; Abert's Towhee, 38; Lark Bunting, 22; Savannah Sparrow, 117; Vesper Sparrow, 40; Lark Sparrow, 69; Black-throated Sparrow, 3; Sage Spar-row, 2; Oregon Junco, 15 (1 Pink-sided); Chipping Sparrow, 1; Brewer's Sparrow, 82; White-crowned Sparrow, 1855 (1851 Gambel's); Lincoln's Sparrow, 4; Song Sparrow, 33 (2 races). **Total,** 104 species (3 additional subspecies and 1 hybrid); about 87,357

individuals.—B. Beal, Mrs. F. C. Betts, J. T. Bialac, W. Boundey, F. Brunk, Mrs. L. M. Culver, Mrs. B. Demaree, Mrs. L. Divens, L. Divens, Mrs. T. Hanson, H. Hanson, Mrs. A. Hawkins, Mrs. Henretty, J. Horswell, A. S. Margolin (compiler), D. R. Margolin, A. R. Phillips, M. Plunkett, J. M. Simpson, Mrs. M. Stearns, F. Stearns, J. R. Werner (Maricopa Audubon Society).

467. **Prescott, Ariz.** (7-mile radius centering on Gurley and Montezuma Streets, including Groom Creek, Indian Creek, Thumb Butte, Willow Creek, Willow Lake, Granite Dells, Watson Lake, Granite Creek; Ponderosa Pine 35%, chaparral 20%, juniper-piñon 15%, open grassland 5%, woodland 10%, lakeshore 5%, suburbs 10%).—Jan. 1; 8 a.m. to 5 p.m. Clear; temp. 28° to 67°; no wind; ground clear, water open. One observer. Total hours, 9 (5 on foot, 4 by car); total miles, 56 (4 on foot, 52 by car). Cooper's Hawk, 1; Red-tailed Hawk, 1; Sparrow Hawk, 2; Am. Coot, 45; Killdeer, 14; Mourning Dove, 11; Red-shafted Flicker, 10; Acorn Woodpecker, 4; Lewis's Woodpecker, 11; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Ladder-backed Woodpecker, 4; Black Phoebe, 1; Say's Phoebe, 1; Steller's Jay, 7; Scrub Jay, 39; Common Raven, 14; Piñon Jay, 100+; **Clark's Nutcracker,** 3; Mountain Chickadee, 3; Plain Titmouse, 1; Bridled Titmouse, 2; Common Bushtit, 24; White-breasted Nuthatch, 3; Pygmy Nuthatch, 6; Bewick's Wren, 1; Mockingbird, 2; Crissal Thrasher, 1; Am. Robin, 3; Western Bluebird, 17; Mountain Bluebird, 19; Ruby-crowned Kinglet, 7; Water Pipit, 18; Phainopepla, 3; Loggerhead Shrike, 2; Common Starling, 7; House Sparrow, 11; Western Meadowlark, 8; Red-winged Blackbird, 300; **Evening Grosbeak,** 7; House Finch, 11; Spotted Towhee, 9; Slate-colored Junco, 1; Oregon Junco, 106; Gray-headed Junco, 71; Chipping Sparrow, 26; White-crowned Sparrow, 71 (10 Gambel's); Song Sparrow, 3. **Total,** 48 species (1 additional subspecies); about 1013 individuals.—Heidi McLernon.

468. **Santa Catalina Mts., Ariz.** (usual area; pine and fir forests 24%, chaparral, etc. 8%, Live Oak woods 4%, foothill canyons 10%, desert and washes 13%, ranches and ponds 19%, Cottonwood-mesquite, sycamore-mesquite, and other bottomland 22%).—Dec. 31; 5:45 a.m. to 6:12 p.m. Some hazy clouds, over mts. chiefly, clearing; temp. 48° to 75° on desert, near freezing to 54° in higher mts.; wind SW to SE, 0-20 m.p.h.; minor patches of 1-in. snow in shade above 6000 ft. Twenty-seven observers in 11 parties. Total party-hours, 67+ (60 on foot, 7+ by car); total party-miles, 248 (38 on foot, 210 by car). Pied-billed Grebe, 1; Green Heron, 2; Mallard, 4; Ring-necked Duck, 26; Lesser Scaup, 18; Black Vulture, 1; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 13; Golden Eagle, 1; Marsh Hawk, 1; falcon (sp.), 1; Sparrow Hawk, 7; Gambel's Quail, 196+; Sora, 2; Florida Gallinule, 2; Am. Coot, 54; Killdeer, 3; Wilson's Snipe, 2; Mourning Dove, 372+; White-winged Dove, 5; Ground Dove, 2; Inca Dove, 74; Screech Owl, 4; Horned Owl, 2; White-throated Swift, 1; hummingbird (sp.), 1; Belted Kingfisher, 1; Red-shafted Flicker, 129; Gilded Flicker, 19; Gila Woodpecker, 228; Acorn Woodpecker, 3; Yellow-bellied Sapsucker, 11; Williamson's Sapsucker, 2; Hairy Woodpecker, 2; Ladder-backed Woodpecker, 12; Arizona Woodpecker, 2; Black Phoebe, 17; Say's Phoebe, 8; Vermilion Flycatcher, 5; Beardless Flycatcher, 1; Steller's Jay, 1; Scrub Jay, 5; Arizona Jay, 44; Common Raven, 12; Mountain Chickadee, 17; Bridled Titmouse, 3; Verdin, 77; Common Bushtit, 12; White-breasted Nuthatch, 41; Red-breasted Nuthatch, 1; Pygmy Nuthatch, 90+; Brown Creeper, 2; House Wren, 22; Bewick's Wren, 2; Cactus Wren, 41; Long-billed Marsh Wren, 3; Cañon Wren, 4; Rock Wren, 25; Mockingbird, 6; Bendire's Thrasher, 6; Curve-billed Thrasher, 92+; Crissal Thrasher, 2; Am. Robin, 88; Western Bluebird, 35; Blue-gray Gnatcatcher, 5; Black-tailed Gnatcatcher, 9; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 98; Water Pipit, 10; Phainopepla, 27; Loggerhead Shrike, 15; Hutton's Vireo, 3; Solitary Vireo, 8; Orange-crowned Warbler, 3; Olive Warbler, 1; Audubon's Warbler, 77; Black-throated Gray Warbler, 6; House Sparrow, 378+; Western Meadowlark, 6; meadowlark (sp.), 99; Yellow-headed Blackbird, 1; Red-winged Blackbird, 1003+; Brewer's Blackbird, 2403+; Boat-tailed Grackle, 48; Brown-headed Cowbird, 300; Cardinal, 69; Pyrrhuloxia, 27; Lazuli Bunting, 1; Evening Grosbeak, 10; Purple Finch, 20; Cassin's Finch, 4; House Finch, 186; Pine Siskin, 6; Am. Goldfinch, 11; Lesser Goldfinch, 10; Lawrence's Goldfinch, 1; Green-tailed Towhee, 14; Spotted Towhee, 13; Brown Towhee, 76+; Abert's Towhee, 34; Savannah Sparrow, 1; Vesper Sparrow, 15; Lark Sparrow, 1; Rufous-crowned Sparrow, 30; Black-throated Sparrow, 35; Sage Sparrow, 1; Oregon Junco, 13 (2 races); Gray-headed Junco, 8; Arizona Junco, 53; Chipping Sparrow, 53; Brewer's Sparrow, 35; Black-chinned Sparrow, 14; White-crowned Sparrow, 872+; Fox Sparrow, 2; Lincoln's Sparrow, 37; Song Sparrow, 11. **Total,** 116 species (1 additional subspecies); about 8031 individuals. (Seen count period: Roadrunner.)—Bird Club of Tucson Natural History Society, Maricopa Audubon Society. A. R. Phillips (compiler).

469. **Sierra Pinta, Cabeza Prieta Game Range, Ariz.** (Yuma County, west side of Sierra Pinta from game range boundary south to 3 miles beyond Heart Tank, and adjacent Tule Desert; washes at foot of mountains with Ironwood, Palo Verde, Catclaw, Jumping Bean, Elephant Tree, Chuparosa, etc. 75%, open Creosotebush desert 25%).—Dec. 30; 6:30 a.m. to 5 p.m. Clear; temp. 45° to 75°; calm; "dust devils" over Tule Desert. One observer. Total hours, 10½ (8 on foot, 2½ by car); total miles, 30 (6 on foot, 24 by car). Golden Eagle, 1; Sparrow Hawk, 2; Costa's Hummingbird, 5; Red-shafted Flicker, 2; Gilded Flicker, 3; Gila Woodpecker, 2; Ladder-backed Woodpecker, 1; Ash-throated Flycatcher, 7; Say's Phoebe, 4; Verdin, 11; House Wren, 6; Cactus Wren, 1; Rock Wren, 5; Mockingbird, 2; Curve-billed Thrasher, 1; Leconte's Thrasher, 2; Hermit

Thrush, 1; Black-tailed Gnatcatcher, 5; Ruby-crowned Kinglet, 4; Phainopepla, 15; Loggerhead Shrike, 5; Gray Vireo, 2 (1 singing, specimens taken this winter and last); House Finch, 53; Spotted Towhee, 1; Black-throated Sparrow, 4; Sage Sparrow, 6. **Total,** 26 species; 151 individuals. (Seen in area census period: Red-tailed Hawk.) [Exceptionally neat report—Ed.]—Gale Monson.

470. **Orcas and Wasp Islands, Wash.** (San Juan County, entire area of Orcas, Coon, McConnell and Jones Islands and surrounding waters, including shoreline of Crane Island, Deer Harbor, East and West Sounds, Cascade and Mountain Lakes; salt-water beach 40%, fresh pond and lake margin 20%, open farmland 20%, fir forest 10%, roadsides and villages 10%).—Dec. 27; 7:30 a.m. to 5 p.m. Rain and snow flurries; temp. 28° to 36°; wind S, 5-10 m.p.h.; ground bare and very wet, lakes partly frozen, light new-fallen snow above 500 ft. Seven observers in 4 parties. Total party-hours, 24 (14 on foot, 6 by car, 4 by outboard boat); total party-miles, 73 (16 on foot, 50 by car, 7 by boat). Common Loon, 59; Arctic Loon, 30; Red-necked Grebe, 5; Horned Grebe, 684; Eared Grebe, 2; Western Grebe, 452; Double-crested Cormorant, 30; Brandt's Cormorant, 21; Pelagic Cormorant, 38; Great Blue Heron, 1; Mallard, 17; Am. Widgeon, 935; Pintail, 15; Ring-necked Duck, 30; Canvas-back, 1; Greater Scaup, 186; Lesser Scaup, 5; Am. Golden-eye, 466; Buffle-head, 256; Old-squaw, 14; Harlequin Duck, 10; White-winged Scoter, 507; Surf Scoter, 105; Am. Scoter, 9; Ruddy Duck, 42; Hooded Merganser, 28; Am. Merganser, 7; Red-breasted Merganser, 16; Bald Eagle, 1; Sparrow Hawk, 3; California Quail, 6; Ring-necked Pheasant, 4; Am. Coot, 22; Killdeer, 2; Black Turnstone, 6; Glaucous-winged Gull, 285; **Western Gull, 6** (C.C.); Herring Gull, 14; California Gull, 18; Ring-billed Gull, 16; Short-billed Gull, 65; Common Murre, 31; Pigeon Guillemot, 28; Marbled Murrelet, 72; Ancient Murrelet, 23; Rhinoceros Auklet, 1; **Tufted Puffin, 2** (S.M.); Belted Kingfisher, 1; Red-shafted Flicker, 11; Pileated Woodpecker, 1; Downy Woodpecker, 3; Steller's Jay, 1; Northwestern Crow, 400; Chestnut-backed Chickadee, 36; Common Bushtit, 44; Red-breasted Nuthatch, 4; Brown Creeper, 10; Winter Wren, 6; Bewick's Wren, 4; Am. Robin, 18; Varied Thrush, 26; **Townsend's Solitaire,** 1; Golden-crowned Kinglet, 13; House Sparrow, 6; Western Meadowlark, 1; Brewer's Blackbird, 130; Purple Finch, 126; Pine Siskin, 192; Red Crossbill, 5; Spotted Towhee, 22; Oregon Junco, 1110; **Am. Tree Sparrow,** 1 (carefully identified—F.M.); **White-crowned Sparrow,** 1 (F.M.); Fox Sparrow, 9; Lincoln's Sparrow, 9; Song Sparrow, 78. **Total,** 76 species; about 6845 individuals.—C. J. Colmery, Michael Heath, Christopher Mathews, Frank P. Mathews (compiler), Stephen Mathews, Harriet Tussler, Jack Tussler.

471. **Seattle, Wash.** (same area as last year plus coverage of Golden Gardens, West Point and Elliott Bay to Harbor Island by power boat; parks and parkways 10%, suburban 10%, marsh 5%, salt-water bay 10%, woods and brush 15%, lakes and rivers 30%, salt-water shore 20%).—Dec. 26; 8 a.m. to 5 p.m. Raining hard all day; temp. 34° to 40°; wind variable, mostly NE, 5-15 m.p.h. Thirty-seven observers in 14 parties. Total party-hours, 87 (44 on foot, 8 at feeding stations, 28 by car, 7 by boat); total party-miles, 154 (45 on foot, 94 by car, 7 by power boat, 3 by rowboat). Common Loon, 5; Arctic Loon, 4; Red-throated Loon, 3; Red-necked Grebe, 71; Horned Grebe, 128; Eared Grebe, 22; Western Grebe, 849; Pied-billed Grebe, 11; Double-crested Cormorant, 66; Brandt's Cormorant, 47; Pelagic Cormorant, 11; Great Blue Heron, 16; Am. Bittern, 1; Canada Goose, 18 (1 Cackling); Mallard, 997; Gadwall, 10; Am. Widgeon, 522; Pintail, 32; Green-winged Teal, 56; Shoveller, 387; Ring-necked Duck, 31; Canvas-back, 12; Greater Scaup, 2521; Lesser Scaup, 262; Am. Golden-eye, 399; Barrow's Golden-eye, 7; Buffle-head, 141; Harlequin Duck, 1; White-winged Scoter, 178; Surf Scoter, 371; Am. Scoter, 1; Ruddy Duck, 256; Hooded Merganser, 6; Am. Merganser, 43; Red-breasted Merganser, 163; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Pigeon Hawk, 1; Sparrow Hawk, 1; California Quail, 108; Ring-necked Pheasant, 8; Am. Coot, 1968; Killdeer, 38; Wilson's Snipe, 18; Dowitcher, 3; Sanderling, 57; Glaucous-winged Gull, 3685; Western Gull, 1; Herring Gull, 61; California Gull, 225; Ring-billed Gull, 58; Short-billed Gull, 1404; Bonaparte's Gull, 396; Common Murre, 21; Pigeon Guillemot, 9; Marbled Murrelet, 2; **Ancient Murrelet,** 1; Rhinoceros Auklet, 5; Band-tailed Pigeon, 58; Short-eared Owl, 1; Red-shafted Flicker, 34; Pileated Woodpecker, 1; Downy Woodpecker, 7; Steller's Jay, 25; Am. Crow, 4; Northwestern Crow, 87; Black-capped Chickadee, 137; Chestnut-backed Chickadee, 31; Common Bushtit, 215; Red-breasted Nuthatch, 3; Brown Creeper, 1; Winter Wren, 17; Bewick's Wren, 23; Long-billed Marsh Wren, 4; Am. Robin, 801; Varied Thrush, 160; Hermit Thrush, 2; Golden-crowned Kinglet, 43; Ruby-crowned Kinglet, 26; Cedar Waxwing, 145; Gray Shrike, 1; **Audubon's Warbler, 17**; Townsend's Warbler, 7; House Sparrow, 324; Western Meadowlark, 9; Red-winged Blackbird, 6; Brewer's Blackbird, 2; Evening Grosbeak, 3; Purple Finch, 64; House Finch, 13; Pine Siskin, 1164; Am. Goldfinch, 5; Spotted Towhee, 53; **Slate-colored Junco,** 1; Oregon Junco, 417; **Am. Tree Sparrow,** 1 (carefully identified); White-crowned Sparrow, 3; Golden-crowned Sparrow, 8; Fox Sparrow, 26; Lincoln's Sparrow, 1; Song Sparrow, 371. **Total,** 101 species (1 additional subspecies); about 20,042 individuals. —Ward Beecher, Mr. and Mrs. Robert Boggs, Mr. and Mrs. Al Bricker, Kathy Bricker, Violet Cannon, Kenneth Clark, Mrs. J. I. Colwell, John Corey, Edward H. Eddy, Mr. and Mrs. Garrett Eddy, William Goodge, Mr. and Mrs. James Grove, Mrs. Frank Guthrie, Walter Hagenstein, Mrs. Neil Haig, Dr. and Mrs. J. B. Holyoke, Doris Jelliffe, Bernice Jennings, Lincoln Johannsson, Mr. and Mrs. Wm. Kautz, Earl J. Larrison, Mrs. Glen Privat, Webster Ransom, Mrs. W. R. Rathbun, William Rourke, Bertha Schuler, Zella M. Schultz (compiler), Mrs. R. Sheldahl, Vivian Thorne, Mrs. M. Wells, Mrs. R. G. Wright.

472. Spokane, Wash. (same area as previous counts; lawns, parks and cemeteries 35%, rivers bordered with brush and coniferous woods 56%, irrigated tracts and open fields 9%).—Jan. 2; 8 a.m. to 4 p.m. Morning fog, snowy afternoon; temp. 22° to 32°; wind NE, 6-8 m.p.h.; 2-5-in. snow on ground. Thirty-one observers in 11 parties. Total party-hours, 88; total party-miles, 271 (38 on foot, 233 by car). Pied-billed Grebe, 7; Great Blue Heron, **26**; Canada Goose, 3; Mallard, 2026; Gadwall, 7; Am. Widgeon, 18; Pintail, 125; Green-winged Teal, 34; Redhead, 175; Ring-necked Duck, 300; Lesser Scaup, 15; Am. Golden-eye, 210; Hooded Merganser, 1; Am. Merganser, 14; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 1; Bald Eagle, 1; Osprey, 1 [only report from northwestern states 1954 and 1955 counts—Ed.]; **Pigeon Hawk,** 1; Sparrow Hawk, 1; Ruffed Grouse, 5; European Partridge, 8; California Quail, 224; Ring-necked Pheasant, **186**; Am. Coot, 301; Wilson's Snipe, **12**; Herring Gull, 2; Ring-billed Gull, 4; Mourning Dove, 1; Screech Owl, 1; Snowy Owl, 1; **Pygmy Owl,** 1 (carefully studied—La Fave); Belted Kingfisher, 5; Red-shafted Flicker, 81; Hairy Woodpecker, 7; Downy Woodpecker, **23**; Am. Magpie, 123; Am. Crow, 2; Clark's Nutcracker, 13; Black-capped Chickadee, 147; Mountain Chickadee, 13; White-breasted Nuthatch, **82**; Red-breasted Nuthatch, 19; Pygmy Nuthatch, **351**; Brown Creeper, 10; Am. Dipper, 5; Winter Wren, 2; Am. Robin, 1076; Varied Thrush, 9; Townsend's Solitaire, 9; Golden-crowned Kinglet, 7; Bohemian Waxwing, **2656**; Cedar Waxwing, 2; Gray Shrike, 2; Common Starling, 1; House Sparrow, **892**; Red-winged Blackbird, 3; Evening Grosbeak, **297**; Cassin's Finch, 14; House Finch, 19; **Common Redpoll, 169**; Pine Siskin, 12; Am. Goldfinch, 67; Red Crossbill, 28; **Slate-colored Junco, 6** (carefully identified); Oregon Junco, 636; Song Sparrow, 118. **Total,** 68 species; about 10,624 individuals.—James Acton, David Brown, Verna Adams, Amelia Burns, Mr. and Mrs. Dick Castenholz, George S. Clarke, Paul Dix, Allan B. Griggs, Tom Groh, Mr. and Mrs. M. C. Haggin, Warren Hall, Irene Hunt, Warren Hobbs, Mr. and Mrs. Lynn LaFave, Lois Lampe, Mrs. George W. Morrow, Earl W. Pettibone (compiler), A. C. Rettig, Mrs. Maurice J. Schanks, Connie Smedley, Mr. and Mrs. Stephen O. Stanley, Mr. and Mrs. Charles Tietgen, Theodore Turner, Jr., Jack Turner, Alma Walker, Robert E. Wallace (Spokane Bird Club).

473. Eugene, Oreg. (15-mile diameter including Fern Ridge Reservoir, Springfield, Eugene; meadows 20%, orchards and fields 20%, suburban 10%, evergreen forest 20%, mixed woods 20%, water 10%).—Jan. 1; 8 a.m. to 4 p.m. Cloudy, showers; temp. 35° to 48°; wind SW, 5-15 m.p.h.; water open. Seventeen observers in 6 parties. Total party-hours, 48 (8 on foot, 40 by car); total party-miles, 172 (8 on foot, 164 by car). Western Grebe, 12; Pied-billed Grebe, 7; Great Blue Heron, 1; Canada Goose, 1000; Black Brant, 1; Mallard, 800; Am. Widgeon, 7; Pintail, 130; Green-winged Teal, 7; Redhead, 3; Ring-necked Duck, 2; Canvas-back, 4; Lesser Scaup, 2; Ruddy Duck, 8; Am. Merganser, 6; ducks and geese (sp.), 4000; Goshawk, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 6; Bald Eagle, 2; Marsh Hawk, 7; Sparrow Hawk, 26; Bob-white, 1; California Quail, 9; Mountain Quail, 10; Ring-necked Pheasant, 65; Am. Coot, 83; Killdeer, 1300; Wilson's Snipe, 16; Greater Yellow-legs, 1; **Northern Phalarope, 20** (carefully identified); California Gull, 2; Ring-billed Gull, 5; Mourning Dove, 2; Short-eared Owl, 4; Belted Kingfisher, 5; Yellow-shafted Flicker, 1; Red-shafted Flicker, 130; Acorn Woodpecker, 22; Lewis's Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 10; Steller's Jay, 41; Scrub Jay, 60; Common Raven, 4; Am. Crow, 322; Black-capped Chickadee, 105; Chestnut-backed Chickadee, 3; Common Bushtit, 15; White-breasted Nuthatch, 25; Red-breasted Nuthatch, 12; Brown Creeper, 12; Winter Wren, 20; Bewick's Wren, 18; Short-billed Marsh Wren, 4; Am. Robin, 1200; Varied Thrush, 310; Western Bluebird, 17; Golden-crowned Kinglet, 110; Ruby-crowned Kinglet, 38; Water Pipit, 3; Cedar Waxwing, 38; Common Starling, 900; Myrtle Warbler, 6; Audubon's Warbler, 16; House Sparrow, 190; Western Meadowlark, 150; Red-winged Blackbird, 350; Brewer's Blackbird, 2050; Evening Grosbeak, 68; Purple Finch, 11; House Finch, 64; Lesser Goldfinch, 30; Spotted Towhee, 90; Savannah Sparrow, 30; Vesper Sparrow, 6; Oregon Junco, 875; White-crowned Sparrow, 90; Golden-crowned Sparrow, 200; Fox Sparrow, 55; Lincoln's Sparrow, 13; Song Sparrow, 150. **Total,** 82 species; about 15,429 individuals.—Bob Bayly, Ruth Beacon, Greg Crumley, Lawrence Daggett (compiler), Catherine Dunlop, Irene Flynn, Richard Flynn, Ruth Hopson, H. V. Johnson, Stan Kambly, Helen Kilpatrick, Margaret Markley, Frances Newsom, Ben Pruitt, Hal Pruitt, Harvey Quimby, Nora Robertson.

474. Medford, Oreg. (7½-mile radius centering 2 miles south of Camp White, including Medford residential areas, hills east of town, valley areas to Yankee Creek; brushy hillsides 15%, mixed woodland 25%, residential 20%, farmland 20%, ponds 20%).—Dec. 27; 7 a.m. to 5 p.m. Partly cloudy; temp. 33° to 40°; wind NW, 0-15 m.p.h.; very light snow cover at higher elevations. Three observers mostly together. Total party-hours, 11 (2 on foot, 9 by car); total party-miles, 66 (4 on foot, 62 by car). Pied-billed Grebe, 1; Great Blue Heron, 1; Mallard, 2; Am. Widgeon, 3; Green-winged Teal, 40; Shoveller, 1; Redhead, 1; Ruddy Duck, 54; Red-tailed Hawk, 1; **Bald Eagle,** 1; Marsh Hawk, 1; Sparrow Hawk, 5; California Quail, 68; Ring-necked Pheasant, 3; Am. Coot, 22; Killdeer, 1; Mourning Dove, 26; Red-shafted Flicker, 34; Acorn Woodpecker, 12; Lewis's Woodpecker, 1; Yellow-bellied Sapsucker, 1; Steller's Jay, 2; Scrub Jay, 30; Mountain Chickadee, 4; Plain Titmouse, 16; White-breasted Nuthatch, 2; Bewick's Wren, 6; Am. Robin, 321; Varied Thrush, 2; Hermit Thrush, 2; Western Bluebird, 59; Ruby-crowned Kinglet, 3; **Common Starling, 159**; Audubon's Warbler, 1; House Sparrow, 40; Western Meadowlark, 21; Red-winged Blackbird, 3; Brewer's Blackbird, 123; Brown-headed Cowbird,

44; Am. Goldfinch, 17; Lesser Goldfinch, 6; Spotted Towhee, 16; Brown Towhee, 9; Savannah Sparrow, 6; Lark Sparrow, 15; Oregon Junco, 165; White-crowned Sparrow, 9; Golden-crowned Sparrow, 71; Fox Sparrow, 1; Song Sparrow, 1. **Total,** 50 species; about 1433 individuals. (Seen count period: White-fronted Goose, Hooded Merganser, Wilson's Snipe, Belted Kingfisher, Downy Woodpecker, Black-capped Chickadee, Chestnut-backed Chickadee, Common Bushtit, Evening Grosbeak, House Finch, **Slate-colored Junco.**)—Mrs. Howard Bush, Mrs. Thomas McCamant, Thomas McCamant (compiler).

475. Portland, Oreg. (same area as 1938 and subsequent counts; brushy woodlands 25%, lakes, rivers, sloughs 20%, farmlands 30%, residential 25%).—Jan. 2; 8 a.m. to 4 p.m. Hard rain all day; temp. 35° to 42°; wind ESE, 9-13 m.p.h.; water open, ground clear. Sixty observers in 17 parties. Total party-hours, 122 (60 on foot, 60 by car, 2 by bicycle); total party-miles, 440 (102 on foot, 330 by car, 8 by bicycle). Horned Grebe, 1; Eared Grebe, 1; Western Grebe, 2; Pied-billed Grebe, 5; Double-crested Cormorant, 58; Great Blue Heron, 2; Green Heron, 2; Canada Goose, 27; Snow Goose, 1; Mallard, 1338; Gadwall, 16; **European Widgeon, 2**; Am. Widgeon, 3905; Pintail, 759; Green-winged Teal, 28; Shoveller, 47; Ring-necked Duck, 44; Canvas-back, 31; Lesser Scaup, 222; Am. Golden-eye, 10; Buffle-head, 46; duck (sp.), 249; Ruddy Duck, 24; Am. Merganser, 31; Goshawk, 2; Sharp-shinned Hawk, 5; Cooper's Hawk, 1; Red-tailed Hawk, 4; Sparrow Hawk, 10; Ruffed Grouse, 1; Ring-necked Pheasant, 175; Am. Coot, 1463; Killdeer, 116; Wilson's Snipe, 5; Glaucous-winged Gull, 9214; Herring Gull, 2000; California Gull, 171; Ring-billed Gull, 298; Short-billed Gull, 859; gull (sp.), 605; Band-tailed Pigeon, 3; Mourning Dove, 26; Screech Owl, 2; Horned Owl, 1; Short-eared Owl, 4; Belted Kingfisher, 3; Red-shafted Flicker, 172; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 5; Downy Woodpecker, 21; Steller's Jay, 64; Scrub Jay, 6; Am. Crow, 360; Black-capped Chickadee, 235; Mountain Chickadee, 5; Chestnut-backed Chickadee, 104; Common Bushtit, 454; White-breasted Nuthatch, 12; Red-breasted Nuthatch, 18; Brown Creeper, 12; Am. Dipper, 1; House Wren, 1; Winter Wren, 26; Bewick's Wren, 20; Am. Robin, **31,561**; Varied Thrush, 503; Townsend's Solitaire, 1; Golden-crowned Kinglet, 97; Ruby-crowned Kinglet, 15; Cedar Waxwing, 36; Gray Shrike, 1; Common Starling, 2646; Audubon's Warbler, 9; Townsend's Warbler, 2; House Sparrow, 1542; Western Meadowlark, 15; Red-winged Blackbird, 32; Brewer's Blackbird, 1745; **Brown-headed Cowbird,** 3; Evening Grosbeak, 209; Purple Finch, 99; House Finch, 653; Pine Siskin, 230; Am. Goldfinch, 119; Lesser Goldfinch, 12; Spotted Towhee, 197; Savannah Sparrow, 1; Slate-colored Junco, 4; Oregon Junco, 2533; White-crowned Sparrow, 22; Golden-crowned Sparrow, 233; Fox Sparrow, 46; Song Sparrow, 1219. **Total,** 91 species; about 67,124 individuals.—Mrs. F. C. Blakeslee, H. H. Crowell, Lyle B. Dunsmoor, W. E. Griffee, Robert Harris, Carl G. Jacobsen, Herbert C. Judd, Kenneth Leatherman, Kenneth Lee, Norbert Leupold (compiler), Tom McAllister, Jr., Earl Marshall, Mrs. Theodore Millette, Mrs. S. Nicholson, Louis Oberson, Fred A. Robinson, Leo F. Simon.

476. Big Bear Lake, Calif. (same area as previous 12 years; parts of a 15-mile circle centering near Bertha Peak in San Bernardino Mts., 3500-7200 ft. elevation).—Jan. 2; 8 a.m. to midnight; temp. 22° to 50°; dry, no snow, lakes thinly frozen. Three observers in 2 parties. Total party-hours, 24 (15 on foot, 9 by car); total party-miles, 70 (10 on foot, 60 by car). Eared Grebe, 3; Great Blue Heron, 3; Am. Widgeon, 8; Cinnamon Teal, 3; Canvas-back, 17; Lesser Scaup, 1; Ruddy Duck, 25; Red-tailed Hawk, 1; Bald Eagle, 2; Sparrow Hawk, 2; Am. Coot, 3000; Mourning Dove, 2; Horned Owl, 1; Red-shafted Flicker, 6; Acorn Woodpecker, 2; Hairy Woodpecker, 1; Ladder-backed Woodpecker, 2; White-headed Woodpecker, 4; Steller's Jay, 10; Scrub Jay, 1; Mountain Chickadee, 121; Plain Titmouse, 4; Common Bushtit, 10; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 15; Pygmy Nuthatch, 20; Bewick's Wren, 2; Western Bluebird, 10; Townsend's Solitaire, 4; Golden-crowned Kinglet, 1; Audubon's Warbler, 7; Red-winged Blackbird, 10; Brewer's Blackbird, 50; Cassin's Finch, 30; House Finch, 15; Oregon Junco, 79. **Total,** 36 species; about 3478 individuals.—Leo R. Best, Erna M. Comby, J. H. Comby (compiler).

477. Contra Costa County, Calif. (7½-mile radius centering on intersection of Treat Lane and Clayton Valley Rd., includes Concord, Walnut Creek, Pacheco, Pittsburg, Clayton, Port Chicago, Avon, Mt. Diablo).—Dec. 26; 7:15 a.m. to 6:30 p.m. Intermittent heavy rain; temp. 48° to 58°; wind W, 10-20 m.p.h.; water standing in all level or low places. Eighteen observers in 4 parties. Total party-hours, 31 (8 on foot, 15 by car, 8 at feeders); total party-miles, 106 (11 on foot, 95 by car). Horned Grebe, 2; Pied-billed Grebe, 4; Great Blue Heron, 1; Am. Egret, 12; Snowy Egret, 3; Canada Goose, 36; Pintail, 49; Green-winged Teal, 1; Shoveller, 25; Ring-necked Duck, 2; Canvas-back, 32; Lesser Scaup, 7; Am. Golden-eye, 4; Ruddy Duck, 40; Am. Merganser, 2; White-tailed Kite, 3; Sharp-shinned Hawk, 1; Red-tailed Hawk, 5; Marsh Hawk, 1; Sparrow Hawk, 38; California Quail, 51+; Ring-necked Pheasant, 2; Am. Coot, 44; Killdeer, 49; Black-bellied Plover, 2; Red-backed Sandpiper, 1; Am. Avocet, 7; Glaucous-winged Gull, 2; California Gull, 13; Ring-billed Gull, 123; Bonaparte's Gull, **250**; Mourning Dove, 15; Burrowing Owl, 3; Anna's Hummingbird, 1; Belted Kingfisher, 2; Red-shafted Flicker, 73; Acorn Woodpecker, 13; Lewis's Woodpecker, 4; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 2; Nuttall's Woodpecker, 9; Black Phoebe, 5; Say's Phoebe, 1; Horned Lark, 40; Steller's Jay, 12; Scrub Jay, 57; Plain Titmouse, 20; Common Bushtit, 45; White-breasted Nuthatch, 3; Wren-tit, 3; Bewick's Wren, 1; Long-billed Marsh Wren, 2; Mockingbird, 23; Am. Robin, 267; Varied Thrush, 31; Hermit Thrush,

5; Western Bluebird, 30; Ruby-crowned Kinglet, 17; Water Pipit, 11; Cedar Waxwing, 16; Loggerhead Shrike, 22; Audubon's Warbler, 29; **Townsend's Warbler, 2** (P.O., B.W.); Common Yellowthroat, 1; House Sparrow, 117; Red-winged Blackbird, 9; Brewer's Blackbird, 1066; House Finch, 533; Pine Siskin, 28; Am. Goldfinch, 71; Lesser Goldfinch, 68; Spotted Towhee, 16; Brown Towhee, 55; Savannah Sparrow, 45; Oregon Junco, 516; White-crowned Sparrow, 345; Golden-crowned Sparrow, 99; Fox Sparrow, 1; Song Sparrow, 31. **Total,** 79 species; about 4578 individuals. (Seen in area count period: Tree Swallow, Screech Owl, White-throated Swift, Barn Owl, Horned Owl.)—Betty Adamson, Harry Adamson, Violet Beitzel, Harry N. Couden, Mrs. Harry N. Couden, Jim McBride, Mrs. J. C. McGeehon, Nora Opler, Paul Opler (compiler), Mrs. Dorothy Orr, R. H. Perry, Cecil J. Smith, Jean Stallcup, Lee Stallcup, Dana Struthers, P. A. Veitch, Bev Wilder, Pete Wilder (Mount Diablo Audubon Society).

478. Crystal Springs Reservoir, Calif. (7½-mile radius in San Mateo County, including South San Francisco Bay, Crystal Springs Valley, north Santa Cruz Mountains, Half Moon Bay).—Jan. 2; 7 a.m. to 4:30 p.m. Slight overcast; temp. 35° to 58°; no wind; low fog on lakes prevented identification and counting of thousands of ducks. Twenty-two observers in 7 parties. Total party-hours, 36 (18 on foot, 14 by car, 4 by boat); total party-miles, 130 (12 on foot, 114 by car, 4 by boat). Common Loon, 6; Arctic Loon, 6; Red-throated Loon, 4; Horned Grebe, 15; Eared Grebe, 12; Western Grebe, 38; Pied-billed Grebe, 26; White Pelican, 8; Brown Pelican, 2; Double-crested Cormorant, 430+; Brandt's Cormorant, 1; Pelagic Cormorant, 13; Great Blue Heron, 33; Am. Egret, 107; Snowy Egret, 4; Black-crowned Night Heron, 38; Sooty Shearwater, 1; Canada Goose, 24 (1 cackling); Mallard, 39; Gadwall, 6; **European Widgeon, 1** (with Am. Widgeon); Am. Widgeon, 112; Pintail, 5; Shoveller, 20; Redhead, 3; Ring-necked Duck, 96; Canvas-back, 71; Greater Scaup, 5; Lesser Scaup, 1021; Am. Golden-eye, 4; Bufflehead, 22; White-winged Scoter, 250; Surf Scoter, 500+; Ruddy Duck, 250; **Hooded Merganser,** 1 (R.F.); Am. Merganser, 1; Red-breasted Merganser, 58; Turkey Vulture, 5; White-tailed Kite, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 24; Golden Eagle, 2; Marsh Hawk, 1; Peregrine Falcon, 1; Sparrow Hawk, 28; California Quail, 26; Clapper Rail, 4; Am. Coot, 500; Killdeer, 14; Black Turnstone, 13; Long-billed Curlew, 100; Hudsonian Curlew, 3; Spotted Sandpiper, 1; Willet, 47; Greater Yellow-legs, 1; Red-backed Sandpiper, 81; Dowitcher, 4; Western Sandpiper, 250; Sanderling, 54; Glaucous-winged Gull, 57; Western Gull, 12; Herring Gull, 77; California Gull, 1000+; Ring-billed Gull, 85; Bonaparte's Gull, 400; Caspian Tern, 4; Ancient Murrelet, 1; Mourning Dove, 1; Short-eared Owl, 1; Anna's Hummingbird, 3; Belted Kingfisher, 1; Red-shafted Flicker, 48; Acorn Woodpecker, 27; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 4; Nuttall's Woodpecker, 1; Black Phoebe, 7; Say's Phoebe, 5; Horned Lark, 1; Steller's Jay, 11; Scrub Jay, 81; Chestnut-backed Chickadee, 49; Plain Titmouse, 27; Common Bushtit, 64; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 1; Brown Creeper, 1; Wren-tit, 16; Winter Wren, 1; Bewick's Wren, 2; Mockingbird, 3; California Thrasher, 2; Am. Robin, 41; Varied Thrush, 73; Hermit Thrush, 27; Western Bluebird, 8; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 12; Water Pipit, 2; Cedar Waxwing, 71; Loggerhead Shrike, 9; Hutton's Vireo, 6; Orange-crowned Warbler, 1; Audubon's Warbler, 90; Townsend's Warbler, 1; House Sparrow, 125; Western Meadowlark, 188; Red-winged Blackbird, 500; Tricolored Blackbird, 300; Brewer's Blackbird, 1000+; Purple Finch, 51; House Finch, 1000+; Pine Siskin, 54; Lesser Goldfinch, 10; Spotted Towhee, 14; Brown Towhee, 119; Savannah Sparrow, 50; Lark Sparrow, 1; Oregon Junco, 41; White-crowned Sparrow, 450; Golden-crowned Sparrow, 87; Fox Sparrow, 3; Song Sparrow, 65. **Total,** 125 species; about 10,799 individuals. (Seen count period: Red-necked Grebe, Screech Owl, Horned Owl.)—Arthur J. Bennett, Mrs. Aveline Butler, B. Neil Dickinson, Joe Dickinson, Mrs. Oleta Dickinson (compiler), Alberta Edell, Donald H. Fry, Jr., Michael Fry, Mrs. Anna Fryer, Ralph Fryer, Charles Hice, Mrs. Georgiana Larsen, Jim Larsen, Mrs. Dorothy Lilly, J. E. McClellan, Don Mullally, Vernon Nellis, Victor Robelet, Mrs. Winona Sears, C. L. Sleeper, Emily D. Smith, Mrs. Emily Valentine (Sequoia Audubon Society).

479. Escondido, Calif. (same area as previous years; fresh-water lakes 50%, wooded area 20%, chaparral 20%, open fields 10%).—Dec. 26; 7 a.m. to 5 p.m. Cloudy; temp. 44° to 59°; wind variable, 5-10 m.p.h. Three observers in 2 parties. Total party-hours, 20 (7 on foot, 13 by car); total party-miles, 90 (8 on foot, 82 by car). Western Grebe, 3; Pied-billed Grebe, 2; Double-crested Cormorant, 5; Great Blue Heron, 9; Am. Egret, 3; Mallard, 5; Gadwall, 30; Am. Widgeon, 67; Pintail, 300; Green-winged Teal, 13; Cinnamon Teal, 3; Shoveller, 910; Redhead, 12; Ring-necked Duck, 16; Canvas-back, 5; Bufflehead, 3; Ruddy Duck, 105; Red-breasted Merganser, 6; Turkey Vulture, 1; White-tailed Kite, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 7; Red-shouldered Hawk, 1; Marsh Hawk, 5; Sparrow Hawk, 24; California Quail, 26; Ring-necked Pheasant, 1; Am. Coot, 150; Killdeer, 18; Spotted Sandpiper, 9; Greater Yellow-legs, 2; California Gull, 2; Ring-billed Gull, 3; Mourning Dove, 22; Road-runner, 3; Horned Owl, 1; Anna's Hummingbird, 4; Red-shafted Flicker, 22; Acorn Woodpecker, 25; Nuttall's Woodpecker, 4; Cassin's Kingbird, 7; Black Phoebe, 8; Say's Phoebe, 10; Violet-green Swallow, 110; Scrub Jay, 13; Am. Crow, 6; Plain Titmouse, 5; Common Bushtit, 18; White-breasted Nuthatch, 7; Wren-tit, 42; House Wren, 2; Bewick's Wren, 5; Mockingbird, 10; California Thrasher, 8; **Sage Thrasher,** 1 (in garden for a month—F.G.); Am. Robin, 82; Hermit Thrush, 8; Western Bluebird, 32; Water Pipit, 153; Cedar Waxwing, 73; Loggerhead Shrike, 18; **Myrtle Warbler,** 1 (F.G.); Audubon's

Warbler, 158; House Sparrow, 30; Western Meadowlark, 111; Brewer's Blackbird, 200; House Finch, 314; Am. Goldfinch, 1; Lesser Goldfinch, 53; Lawrence's Goldfinch, 8; Spotted Towhee, 16; Brown Towhee, 53; Lark Sparrow, 33; Rufous-crowned Sparrow, 8; Oregon Junco, 34; Chipping Sparrow, 1; White-crowned Sparrow, 162; Golden-crowned Sparrow, 7; Song Sparrow, 1. **Total,** 80 species; about 3641 individuals.—Mrs. Sidney S. Doner (compiler), Fred N. Gallup, Frank F. Gander.

480. Farallon Islands and vicinity, Calif. (Gulf of the Farallones from 12½ miles off San Francisco to and around the islands; report covers only outermost 15-mile diameter circuit; continental shelf ocean waters 67%, same plus adjacent steep rocky islands 33%).—Dec. 31; 9 a.m. to 2:30 p.m. Broken high clouds increasing to nearly solid overcast p.m.; temp. 42° to 50°; wind S, 5-25 m.p.h.; low swells from south, plus small chop p.m.; line of debris from flood waters from San Francisco Bay crossed soon after start. Seven observers in 1 party. Total party-hours, 5½ (all by 50-foot boat); total party-miles, 35 (all by boat). Common Loon, 1; loon (sp.), 2; Horned Grebe, 3; Eared Grebe, 4; Pink-footed Shearwater, 1; Fulmar, 8; Brown Pelican, 32; Double-crested Cormorant, 1; Brandt's Cormorant, 115; Pelagic Cormorant, 340; cormorant (sp.), 232; Oldsquaw, 1; White-winged Scoter, 40; Surf Scoter, 28; Peregrine Falcon, 3; Glaucous-winged Gull, 45; Western Gull, 300; Herring Gull, 24; Ring-billed Gull, 5; Short-billed Gull, 10; Bonaparte's Gull, 11; Heermann's Gull, 4; Black-legged Kittiwake, 4; Common Murre, 124; Pigeon Guillemot, 8; Ancient Murrelet, 15; Cassin's Auklet, 16; Rhinoceros Auklet, 205. **Total,** 27 species; about 1582 individuals.—Herb Clarke, H. L. Cogswell (compiler), R. Dudley Ross, Lee Stallcup, Richard Stallcup, R. L. Taylor, John Tramontano.

481. Fresno, Calif. (same area since 1943; 5-mile diameter centering at Lane's Bridge on San Joaquin River 10 miles north of Fresno; open plains 20%, riverbottom and narrow pond 1 mile long 80%).—Dec. 27; 7:15 a.m. to 3:45 p.m. Partly cloudy, clear afternoon; temp. 48° to 53°; wind N, 10-12 m.p.h. Two observers in 1 party. Total party-hours, 8½ (6 on foot, 2½ by car); total party-miles, 30 (5 on foot, 25 by car). Pied-billed Grebe, 3; Great Blue Heron, 2; Am. Egret, 1; Green Heron, 1; Canada Goose, 622; Mallard, 6; Pintail, 1; Wood Duck, 6; Ring-necked Duck, 1; Ruddy Duck, 7; Turkey Vulture, 1; Cooper's Hawk, 3; Red-tailed Hawk, 9; Red-shouldered Hawk, 2; Marsh Hawk, 5; Pigeon Hawk, 1; Sparrow Hawk, 14; California Quail, 62; Florida Gallinule, 1; Am. Coot, 75; Killdeer, 37; Spotted Sandpiper, 1; Greater Yellow-legs, 1; Mourning Dove, 24; Barn Owl, 1; Horned Owl, 2; White-throated Swift, 3; Belted Kingfisher, 3; Red-shafted Flicker, 33; Acorn Woodpecker, 17; Nuttall's Woodpecker, 2; Black Phoebe, 8; Say's Phoebe, 1; **Vermilion Flycatcher,** 1; Horned Lark, 10; **Steller's Jay,** 5; Scrub Jay, 46; Am. Crow, 7; **Mountain Chickadee,** 2; Plain Titmouse, 3; Common Bushtit, 15; **White-breasted Nuthatch,** 2; Brown Creeper, 1; House Wren, 2; Bewick's Wren, 5; Rock Wren, 1; Mockingbird, 7; Varied Thrush, 1; **Golden-crowned Kinglet,** 1; Ruby-crowned Kinglet, 20; Water Pipit, 50; Phainopepla, 8; Loggerhead Shrike, 3; Common Starling, 1; Orange-crowned Warbler, 1; Myrtle Warbler, 1; Audubon's Warbler, 9; House Sparrow, 9; Western Meadowlark, 36; Red-winged Blackbird, 7; Brewer's Blackbird, 1029; Brown-headed Cowbird, 2; Purple Finch, 7; House Finch, 325; Am. Goldfinch, 335; Spotted Towhee, 16; Brown Towhee, 1; Savannah Sparrow, 150; Vesper Sparrow, 1; Lark Sparrow, 16; Slate-colored Junco, 1; Oregon Junco, 44; White-crowned Sparrow, 305; Golden-crowned Sparrow, 15; Lincoln's Sparrow, 2; Song Sparrow, 10. **Total,** 76 species; about 3469 individuals.—Ward M. Kimble, W. B. Minturn (compiler).

482. Hemet-Idyllwild, Calif. (7½-mile radius centering in Valle Vista, including Friendly Hills Wildlife Sanctuary, Little Lake, San Jacinto Reservoir, West Ridge and Fern Valley areas in Idyllwild, Fulmor Lake, Indian Canyon; meadows 20%, reservoir and ponds 25%, chaparral 15%, canyons 10%, coniferous forest 30%).—Dec. 26; 7 a.m. to 5:30 p.m. Overcast; temp. 47° to 60°; wind SW, up to 15 m.p.h.; ground bare, water open. Eight observers in 3 parties. Total party-hours, 19 (15 on foot, 4 by car); total party-miles, 54 (9 on foot, 45 by car). Horned Grebe, 1; Pied-billed Grebe, 1; Green Heron, 1; Canada Goose, 127; White-fronted Goose, 15; Mallard, 760; Am. Widgeon, 1775; Pintail, 795; Shoveller, 2; Redhead, 1; Ring-necked Duck, 1; Canvas-back, 2; Lesser Scaup, 4; Am. Merganser, 3; Cooper's Hawk, 1; Red-tailed Hawk, 7; Golden Eagle, 2; Bald Eagle, 1; Sparrow Hawk, 7; California Quail, 50; Mountain Quail, 7; Am. Coot, 13; Band-tailed Pigeon, 12; Mourning Dove, 4; Spotted Dove, 2; Horned Owl, 2; Anna's Hummingbird, 5; Red-shafted Flicker, 11; Acorn Woodpecker, 19; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 2; Nuttall's Woodpecker, 1; White-headed Woodpecker, 10; Black Phoebe, 2; Steller's Jay, 33; Scrub Jay, 16; Common Raven, 5; Am. Crow, 8; Mountain Chickadee, 45; Plain Titmouse, 11; Common Bushtit, 20; White-breasted Nuthatch, 12; Pygmy Nuthatch, 52; Wren-tit, 4; House Wren, 1; Rock Wren, 3; Mockingbird, 2; California Thrasher, 8; Am. Robin, 12; Western Bluebird, 30; Ruby-crowned Kinglet, 6; Loggerhead Shrike, 4; Audubon's Warbler, 12; House Sparrow, 12; Western Meadowlark, 33; Brewer's Blackbird, 500; House Finch, 120; Pine Siskin, 30; Am. Goldfinch, 2; Lesser Goldfinch, 3; Lawrence's Goldfinch, 142; Spotted Towhee, 5; Brown Towhee, 32; Savannah Sparrow, 4; Lark Sparrow, 1; Sage Sparrow, 1; Oregon Junco, 34; Gray-headed Junco, 1 (carefully identified—H.J.); Chipping Sparrow, 1; White-crowned Sparrow, 76; Golden-crowned Sparrow, 5; Lincoln's Sparrow, 6; Song Sparrow, 1. **Total,** 74 species; about 4943 individuals.—Mrs. E. Comby, J. H. Comby, Harry James, Evarts Loomis, Jr. (compiler), Mrs. Betty Maxwell, Ernest Maxwell, James Wheaton, Ted Wheaton.

483. Los Angeles, Calif. (same area since 1937, 7½-mile radius centering near Pico and La Cienega Boulevards).—Dec. 26; 5:30 a.m. to 6:30 p.m. Cloudy; temp. 47° to 62°; wind variable, 5-10 m.p.h.; visibility poor along coast, rain beginning 4:30 p.m. Sixty-six observers in 33 parties. Total party-hours, 254 (201 on foot, 53 by car); total party-miles, 502 (130 on foot, 372 by car). Common Loon, 3; Arctic Loon, 4; Red-throated Loon, 5; Horned Grebe, 11; Eared Grebe, 19; Western Grebe, 806; Pied-billed Grebe, 11; Brown Pelican, 148; Double-crested Cormorant, 43; Brandt's Cormorant, 2; Pelagic Cormorant, 13; Great Blue Heron, 2; Am. Egret, 6; Snowy Egret, 12; Green Heron, 3; Canada Goose, 1; Mallard, 464; Am. Widgeon, 32; Pintail, 616; Green-winged Teal, 30; Shoveller, 72; Wood Duck, 2; Greater Scaup, 1; Lesser Scaup, 399; Buffle-head, 16; White-winged Scoter, 17; Surf Scoter, 925; Ruddy Duck, 80; Red-breasted Merganser, 81; White-tailed Kite, 1; Sharp-shinned Hawk, 4; Cooper's Hawk, 5; Red-tailed Hawk, 35; Red-shouldered Hawk, 2; Marsh Hawk, 5; **Prairie Falcon,** 1; Peregrine Falcon, 1; Pigeon Hawk, 2; Sparrow Hawk, 110; California Quail, 73; Clapper Rail, 1; Am. Coot, 2118; Snowy Plover, 60; Ringed Plover, 2; Killdeer, 133; Black-bellied Plover, 302; Surf-bird, 66; Ruddy Turnstone, 2; Black Turnstone, 49; Wilson's Snipe, 8; Long-billed Curlew, 1; Hudsonian Curlew, 29; Spotted Sandpiper, 17; Willet, 1052; Greater Yellow-legs, 9; Red Knot, 1; Least Sandpiper, 42; Red-backed Sandpiper, 325; Dowitcher, 235; Western Sandpiper, 247; Marbled Godwit, 734; Sanderling, 415; Am. Avocet, 50; Glaucous-winged Gull, 85; Western Gull, 168; Herring Gull, 47; California Gull, 949; Ring-billed Gull, 2402; Short-billed Gull, 335; Bonaparte's Gull, 141; Heermann's Gull, 290; Forster's Tern, 7; Royal Tern, 2; **Marbled Murrelet,** 1 (another dead on beach); **Ancient Murrelet,** 1; Band-tailed Pigeon, 1; Mourning Dove, 579; Spotted Dove, 160; Ringed Turtle Dove, 12; Road-runner, 4; Horned Owl, 6; Burrowing Owl, 2; White-throated Swift, 329; Anna's Hummingbird, 226; Belted Kingfisher, 12; Red-shafted Flicker, 173; Acorn Woodpecker, 4; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 10; Nuttall's Woodpecker, 15; Western Kingbird, 1; Black Phoebe, 109; Say's Phoebe, 11; **Western Wood Pewee,** 1; Horned Lark, 8; Scrub Jay, 486; **Yellow-billed Magpie,** 1; Common Raven, 4; Am. Crow, 49; Mountain Chickadee, 6; Plain Titmouse, 80; Common Bushtit, 501; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 2; Wren-tit, 204; House Wren, 5; Bewick's Wren, 70; Cactus Wren, 4; Rock Wren, 3; Mockingbird, 443; California Thrasher, 146; Am. Robin, 3581; Hermit Thrush, 45; Western Bluebird, 54; Blue-gray Gnatcatcher, 18; Ruby-crowned Kinglet, 32; Water Pipit, 94; Cedar Waxwing, 945; Loggerhead Shrike, 76; Hutton's Vireo, 8; **Hermit Warbler,** 1 (experienced observers); Audubon's Warbler, 1829; Townsend's Warbler, 4; Common Yellowthroat, 5; House Sparrow, 1088; Western Meadowlark, 244; Red-winged Blackbird, 23; Brewer's Blackbird, 1772; Purple Finch, 64; Cassin's Finch, 1; House Finch, 3950; Am. Goldfinch, 126; Lesser Goldfinch, 173; Lawrence's Goldfinch, 3; **Green-tailed Towhee,** 1; Spotted Towhee, 80; Brown Towhee, 573; Savannah Sparrow, 71; Grasshopper Sparrow, 5; Lark Sparrow, 74; Rufous-crowned Sparrow, 7; Oregon Junco, 223; Chipping Sparrow, 34; White-crowned Sparrow, 848; Golden-crowned Sparrow, 91; Fox Sparrow, 10; Lincoln's Sparrow, 2; Song Sparrow, 174. **Total,** 149 species; about 34,387 individuals.—Mildred Aisup, Olive Alvey, Mr. and Mrs. H. B. Anderson, Clarence Beasley, Bob Blackstone, Warren Blazer, Ethel Blazer, Hope Chaney, Victoria Chaney, Herb Clarke, James F. Clements, Mary N. Clements, Ethel B. Craig, Brian Daly, Caroline Daugherty, Maybelle De May, Merritt S. Dunlap, Mrs. Joseph E. P. Dunn, Ted Gee, Tom Goodman, Maizie Goodman, Harry Grey, Dorothy Groner, George Hastings (assistant compiler), Paul Herman, Bess Hoffman, Dick Holmes, Jim Huffman (compiler), Jim Huffman, Jr., (assistant compiler), Warren Hunt, Esther Johnson, Reginald Julian, Elsie Kennedy, Alice Lewis, Dorothy Lightner, Virginia Lindau, Bill Lofthouse, Dan McFadden, Noel McFarland, Marjorie Moody, Mrs. Jesse L. Morain, Gudrun Pepke, Ed Peterson, Clara E. Pflager, Grace H. Phillips, Bessie Pope, Helen Reed, Earl Rograff, C. W. Schaeffer, Vicky Schaeffer, Xandra Schaeffer, Catherine Shaw, Fern Shelford, Arnold Small, Dick Smith, Nelly Spencer, Clara Splitter, Norma Splitter, Alma Stultz, R. L. Taylor, Margie Taylor, John Tramontano, Mrs. David Watkins, Russ Wilson, Marian Wilson.

484. Monterey Peninsula, Calif. (same area since 1949).—Dec. 29; 6:45 a.m. to 7:15 p.m. Clear a.m., partly cloudy p.m.; temp. 29° to 50°; wind variable, up to 10 m.p.h.; ground bare, local freezing conditions a.m., rivers and creeks just below flood stage. Eight observers in 6 parties. Total party-hours, 33 (26 on foot, 7 by car); total party-miles, 51 (17 on foot, 34 by car). Common Loon, 10; Arctic Loon, 35; Red-throated Loon, 10; Red-necked Grebe, 2; Horned Grebe, 56; Eared Grebe, 55; Western Grebe, 106; Pied-billed Grebe, 10; Brown Pelican, 36; Brandt's Cormorant, 271; Pelagic Cormorant, 113; Great Blue Heron, 2; **Green Heron,** 1 (E.H.); Black-crowned Night Heron, 1; Am. Bittern, 1; Black Brant, 3; Mallard, 13; Am. Widgeon, 44; Pintail, 3; Green-winged Teal, 18; Cinnamon Teal, 2; Shoveller, 94; Lesser Scaup, 10; Am. Golden-eye, 7; Buffle-head, 7; White-winged Scoter, 2; Surf Scoter, 666; Ruddy Duck, 63; Red-breasted Merganser, 29; Turkey Vulture, 2; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 11; Red-shouldered Hawk, 3; Golden Eagle, 1; Marsh Hawk, 2; Sparrow Hawk, 11; California Quail, 44; Ring-necked Pheasant, 1; Virginia Rail, 3; Am. Coot, 235; Black Oyster-catcher, 10; Snowy Plover, 61; Killdeer, 63; Surf-bird, 11; Black Turnstone, 22; Wilson's Snipe, 3; Long-billed Curlew, 1; Hudsonian Curlew, 4; Spotted Sandpiper, 3; Willet, 6; Least Sandpiper, 14; Marbled Godwit, 3; Sanderling, 90; Glaucous-winged Gull, 377; Western Gull, 162; Herring Gull, 10; California Gull, 57; Ring-billed Gull, 2; Short-billed Gull, 30; Bonaparte's Gull, 8; Heermann's Gull, 74; Common Murre, 10; Pigeon Guillemot, 1; Ancient Murrelet,

8; Rhinoceros Auklet, 5; Band-tailed Pigeon, 69; Mourning Dove, 4; Barn Owl, 1; Horned Owl, 4; Pygmy Owl, 2; **White-throated Swift, 34** (all field marks—D.M., J.W.); Anna's Hummingbird, 5; Belted Kingfisher, 4; Red-shafted Flicker, 22; Acorn Woodpecker, 32; Hairy Woodpecker, 11; Downy Woodpecker, 5; Nuttall's Woodpecker, 2; Black Phoebe, 13; Say's Phoebe, 6; **Violet-green Swallow, 13** (carefully identified—E.H., J.W.); Steller's Jay, 5; Scrub Jay, 43; Yellow-billed Magpie, 4; Am. Crow, 43; Chestnut-backed Chickadee, 69; Plain Titmouse, 2; Common Bushtit, 172; Red-breasted Nuthatch, 2; Pygmy Nuthatch, 35; Brown Creeper, 2; Wren-tit, 14; House Wren, 1; Winter Wren, 2; Bewick's Wren, 20; Long-billed Marsh Wren, 1; Mockingbird, 3; California Thrasher, 1; Am. Robin, 113; Varied Thrush, 5; Hermit Thrush, 35; Western Bluebird, 27; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 26; Water Pipit, 16; Cedar Waxwing, 30; Loggerhead Shrike, 4; Hutton's Vireo, 5; Audubon's Warbler, 81; Townsend's Warbler, 25; Common Yellowthroat, 2; House Sparrow, 10; Western Meadowlark, 100; Red-winged Blackbird, 259; Brewer's Blackbird, 286; Purple Finch, 15; House Finch, 142; Pine Siskin, 35; Am. Goldfinch, 1; Lesser Goldfinch, 33; Spotted Towhee, 8; Brown Towhee, 3; Oregon Junco, 235; White-crowned Sparrow, 101; Golden-crowned Sparrow, 351; **White-throated Sparrow,** 1; Fox Sparrow, 18; Lincoln's Sparrow, 1; Song Sparrow, 14. **Total,** 130 species; about 5651 individuals. (Seen in area count period: Yellow-bellied Sapsucker, Harlequin Duck, Tricolored Blackbird, Marbled Murrelet, **Clark's Nutcracker.**) —[Laidlaw Williams informs me that Clark's Nutcrackers have appeared at feeding stations and been observed by at least 6 observers in various places in the area since Oct. 15.—Ed.]—Betty Barham, Louise M. Hatton, Elmer E. Highley, Marshall Johnston, Dan Miller, James Whitehead, Emily Williams, Laidlaw Williams (compiler).

485. Oakland, Calif. (same area as 1949 and subsequent years).—Jan. 2; 4:30 a.m. to 5:45 p.m. Fog along coast till 11 a.m., frost in interior, clouds, some showers; temp. 32° to 55°; no wind. Fifty-nine observers, 54 in 16 parties, 5 watching yards. Total party-hours, 136 (115 on foot, 21 by car); total party-miles, 280 (77 on foot, 203 by car). Common Loon, 1; Arctic Loon, 12; Red-throated Loon, 20; Red-necked Grebe, 1; Horned Grebe, 115; Eared Grebe, 96; Western Grebe, 260; Pied-billed Grebe, 24; Brown Pelican, 29; Double-crested Cormorant, 329; Brandt's Cormorant, 28; Pelagic Cormorant, 1; Great Blue Heron, 39; Am. Egret, 121; Snowy Egret, 18; Black-crowned Night Heron, 25; Canada Goose, 289; Mallard, 635; Gadwall, 1; Am. Widgeon, 94; Pintail, 66; Shoveller, 12; Wood Duck, 2; Ring-necked Duck, 16; Canvas-back, 22,005; Lesser Scaup, 307; scaup (sp.), 25; Am. Golden-eye, 145; Bufflehead, 52; **Old-squaw,** 1 (P.L., A.M.C.); White-winged Scoter, 53; Surf Scoter, 212; Ruddy Duck, 2479; Am. Merganser, 11; Red-breasted Merganser, 46; duck (sp.), 2381; Turkey Vulture, 1; Sharp-shinned Hawk, 10; Cooper's Hawk, 9; Red-tailed Hawk, 47; Marsh Hawk, 1; Sparrow Hawk, 44; California Quail, 346; Clapper Rail, 2; Am. Coot, 1664; Snowy Plover, 1; Ringed Plover, 63; Killdeer, 185; Black-bellied Plover, 289; Black Turnstone, 5; Wilson's Snipe, 1; Long-billed Curlew, 49; Hudsonian Curlew, 8; Spotted Sandpiper, 4; Willet, 2455; Greater Yellowlegs, 1; Least Sandpiper, 172; Red-backed Sandpiper, 1250; Dowitcher, 6; Western Sandpiper, 7264; Marbled Godwit, 1311; Sanderling, 695; Am. Avocet, 2317; Glaucous-winged Gull, 991; Western Gull, 392; Herring Gull, 51; California Gull, 558; Ring-billed Gull, 250; Short-billed Gull, 392; Bonaparte's Gull, 326; gull (sp.), 276; Forster's Tern, 70; Caspian Tern, 2; Band-tailed Pigeon, 155; Mourning Dove, 232; Barn Owl, 5; Screech Owl, 1; Horned Owl, 10; Short-eared Owl, 3; White-throated Swift, 14; Anna's Hummingbird, 79; Belted Kingfisher, 3; Red-shafted Flicker, 202; Acorn Woodpecker, 21; Yellow-bellied Sapsucker, 8; Hairy Woodpecker, 2; Downy Woodpecker, 17; Nuttall's Woodpecker, 4; Black Phoebe, 28; Say's Phoebe, 1; Horned Lark, 69; Steller's Jay, 119; Scrub Jay, 222; Am. Crow, 15; Chestnut-backed Chickadee, 272; Plain Titmouse, 131; Common Bushtit, 557; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 35; Brown Creeper, 2; Wren-tit, 117; Winter Wren, 3; Bewick's Wren, 11; Mockingbird, 16; California Thrasher, 4; Am. Robin, 15,524; Varied Thrush, 194; Hermit Thrush, 78; Western Bluebird, 89; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 154; Water Pipit, 181; Cedar Waxwing, 165; Loggerhead Shrike, 20; Hutton's Vireo, 10; Orange-crowned Warbler, 1; Myrtle Warbler, 3; Audubon's Warbler, 206; Townsend's Warbler, 4; House Sparrow, 875; Western Meadowlark, 363; Red-winged Blackbird, 180; Brewer's Blackbird, 1164; Brown-headed Cowbird, 9; Purple Finch, 36; House Finch, 843; Pine Siskin, 1250; Am. Goldfinch, 70; Lesser Goldfinch, 68; Spotted Towhee, 106; Brown Towhee, 511; Savannah Sparrow, 58; Lark Sparrow, 12; Rufous-crowned Sparrow, 3; **Slate-colored Junco,** 1 (S.T.); Oregon Junco, 1115; **Harris's Sparrow,** 1 (I.T.) [no details—Ed.]; White-crowned Sparrow, 1156; Golden-crowned Sparrow, 369; **White-throated Sparrow,** 1; Fox Sparrow, 101; Lincoln's Sparrow, 1; Song Sparrow, 239. **Total,** 140 species; about 78,992 individuals.—Betty Adamson, Harry Adamson, Warren Armstrong, Richard Bailey, Leslie W. Bartow, Tyra C. Bartow, Albert Boles, Sadie Bozant, Myra Browne, Bessie Cogswell, Howard Cogswell, Herold Connon, Paul Covel, Alan M. Craig, A. Laurence Curl, C. D. Fisher, John Rigley Forbes, Alice Gray, Tom Grimes, Jack Guggolz, Lillian Henningsen, Charles Hines, Jr., Bill and Leroy Jensen, Junea W. Kelly, Roberta Long, L. R. Leinbach, Mary Leinbach, Phyllis Lindley, Gardner Marshall, Arthur Morley, Arthur Myer, Paul Opler, Harold Peterson, Jean Pyle, Amy Rinehart, Elsie Roemer, Gene Schweizer, Frank Scott, Jean Stallcup, Kenneth Stallcup, Lee Stallcup (compiler), Richard Stallcup, Sally Steller, John Thomas, Mrs. John Thomas, Sylvia Thomssen, Betty Trousdale, Inez Troxell, Marjorie Van Scyoc, Peter Veitch, Henry Wagner, Bev Wilder, Herbert Wong (Golden Gate Audubon Society).

486. Oceanside–Vista, Calif. (same area as 1951 to 1953; ocean shore 20%, brackish lagoon and tule marsh 30%, dry river with brush, willow and Cottonwood margins 15%, chaparral hills with oak and sycamore wooded ravines 15%, grassy and cultivated fields 15%, fresh lake-like reservoirs 5%).—Dec. 30; 7:30 a.m. to 5 p.m. Clear; temp. 40° to 54°; wind variable, 0-10 m.p.h. Eight observers in 4 parties. Total party-hours, 64 (16 on foot, 48 by car); total party-miles, 176 (16 on foot, 160 by car). Horned Grebe, 4; Eared Grebe, 23; Western Grebe, 6; Pied-billed Grebe, 19; Brown Pelican, 4; Double-crested Cormorant, 3; Great Blue Heron, 3; Am. Egret, 6; Snowy Egret, 2; Green Heron, 5; Black-crowned Night Heron, 2; Am. Bittern, 1; Am. Widgeon, 2; Pintail, 195; Green-winged Teal, 241; Cinnamon Teal, 2; Shoveller, 640; Canvas-back, 7; Lesser Scaup, 7; Buffle-head, 11; Surf Scoter, 22; Ruddy Duck, 533; Red-breasted Merganser, 4; Turkey Vulture, 2; White-tailed Kite, 5; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 34; Red-shouldered Hawk, 5; Golden Eagle, 2; Marsh Hawk, 5; Sparrow Hawk, 56; Ring-necked Pheasant, 7; Virginia Rail, 2; Sora, 2; Florida Gallinule, 4; Am. Coot, 1029; Killdeer, 46; Black-bellied Plover, 10; Wilson's Snipe, 2; Long-billed Curlew, 1; Hudsonian Curlew, 8; Spotted Sandpiper, 4; Willet, 25; Greater Yellow-legs, 8; Lesser Yellow-legs, 1; Least Sandpiper, 33; Dowitcher, 16; Western Sandpiper, 14; Marbled Godwit, 15; Sanderling, 75; Am. Avocet, 30; Black-necked Stilt, 50; Western Gull, 12; California Gull, 50; Ring-billed Gull, 1003; Bonaparte's Gull, 15; Heermann's Gull, 1; Forster's Tern, 6; Mourning Dove, 40; Spotted Dove, 4; Ringed Turtle Dove, 2; Road-runner, 8; Barn Owl, 4; White-throated Swift, 14; Anna's Hummingbird, 5; Belted Kingfisher, 3; Red-shafted Flicker, 20; Acorn Woodpecker, 12; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Nuttall's Woodpecker, 2; Western Kingbird, 2; Cassin's Kingbird, 1; Black Phoebe, 30; Say's Phoebe, 6; Horned Lark, 2; Tree Swallow, 21; Scrub Jay, 11; Common Raven, 6; Am. Crow, 11; Plain Titmouse, 4; Common Bushtit, 177; White-breasted Nuthatch, 1; Wren-tit, 9; House Wren, 2; Bewick's Wren, 1; Long-billed Marsh Wren, 2; Mockingbird, 25; California Thrasher, 4; Am. Robin, 23; Hermit Thrush, 1; Western Bluebird, 163; Mountain Bluebird, **150**; Blue-gray Gnatcatcher, 2; Ruby-crowned Kinglet, 11; Water Pipit, 83; Loggerhead Shrike, 54; Hutton's Vireo, 1; Audubon's Warbler, 107; Common Yellowthroat, 5; House Sparrow, 72; Western Meadowlark, 142; Red-winged Blackbird, 59; Tricolored Blackbird, 41; Brewer's Blackbird, 317; Brown-headed Cowbird, 7; House Finch, 783; Am. Goldfinch, 1; Lesser Goldfinch, 3; Spotted Towhee, 6; Brown Towhee, 56; Savannah Sparrow, 26; Lark Sparrow, 21; Oregon Junco, 16; White-crowned Sparrow, 1155; Song Sparrow, 34. **Total,** 117 species; about 8096 individuals. (Seen in area count period: Burrowing Owl, Cedar Waxwing.)—Mrs. H. D. Brown, Howard Channing, Maureen Heraty, L. Claire Hulbert, Mrs. M. Robinson, Mr. M. Robinson, E. C. Trowbridge, Dale T. Wood (compiler).

487. Orange County (northeastern), Calif. (7½-mile radius centering on Bolero Lookout, including Lemon Heights, Irvine Park, O'Neil Park, Tucker Sanctuary, and Peter's, Santiago, Black Star, Silverado, Trabuco Canyons; fields 10%, grassland 30%, chaparral 40%, oak-sycamore woodland 20%).—Dec. 31; 7:30 a.m. to 5 p.m. Partly cloudy till 10 a.m.; temp. 45° to 60°. Twenty-eight observers in 9 parties. Total party-hours, 58 (42 on foot, 16 by car); total party-miles, 163 (33 on foot, 130 by car). Horned Grebe, 1; Pied-billed Grebe, 1; Great Blue Heron, 3; Am. Egret, 2; Snowy Egret, 1; Black-crowned Night Heron, 1; Am. Widgeon, 1; Pintail, 7; Shoveller, 10; Canvas-back, 16; Ruddy Duck, 166; duck (sp.), 150; Turkey Vulture, 7; Sharp-shinned Hawk, 5; Cooper's Hawk, 3; Red-tailed Hawk, 28; Red-shouldered Hawk, 10; Marsh Hawk, 7; Sparrow Hawk, 57; California Quail, 346; Mountain Quail, 5; Ring-necked Pheasant, 4; Am. Coot, 190; Killdeer, 3; Greater Yellow-legs, 1; Band-tailed Pigeon, 61; Mourning Dove, 764; Spotted Dove, 18; Road-runner, 6; Screech Owl, 2; Horned Owl, 2; Anna's Hummingbird, 213; Belted Kingfisher, 1; Red-shafted Flicker, 72; Acorn Woodpecker, 281; Lewis's Woodpecker, 14; Yellow-bellied Sapsucker, 3; Nuttall's Woodpecker, 9; Cassin's Kingbird, 5; Black Phoebe, 47; Say's Phoebe, 16; Horned Lark, 71; Scrub Jay, 185; Common Raven, 45; Am. Crow, 190; Mountain Chickadee, 2; Plain Titmouse, 129; Common Bushtit, 350; White-breasted Nuthatch, 16; Wren-tit, 101; House Wren, 1; Bewick's Wren, 27; Cactus Wren, 9; Cañon Wren, 4; Rock Wren, 1; Mockingbird, 37; California Thrasher, 39; Am. Robin, 84; Varied Thrush, 1; Hermit Thrush, 12; Western Bluebird, 90; Mountain Bluebird, 1; Blue-gray Gnatcatcher, 3; Ruby-crowned Kinglet, 32; Water Pipit, 88; Cedar Waxwing, 10; **Phainopepla, 4**; Loggerhead Shrike, 11; Hutton's Vireo, 1; Orange-crowned Warbler, 5; Audubon's Warbler, 2404; House Sparrow, 23; Western Meadowlark, 184; Red-winged Blackbird, 156; Brewer's Blackbird, 1586; Purple Finch, 62; House Finch, 1564; Am. Goldfinch, 55; Lesser Goldfinch, 259; Lawrence's Goldfinch, 7; Green-tailed Towhee, 3; Spotted Towhee, 62; Brown Towhee, 321; Savannah Sparrow, 13; Lark Sparrow, 339; Rufous-crowned Sparrow, 5; **Slate-colored Junco,** 2; Oregon Junco, 634; Chipping Sparrow, 7; White-crowned Sparrow, 3813; Golden-crowned Sparrow, 99; Song Sparrow, 35. **Total,** 91 species; about 15,721 individuals. (Seen official count period: Burrowing Owl, Eared Grebe, Fox Sparrow, **Swainson's Hawk.**)—Frances Barrett, Cornelia Berry, David Berry, M. A. Berry, Josephine Bull, Paul Colburn, Kenneth Connor, Mrs. K. Connor, Georgia Crary, Norman Fleming, Hallie Frost, Esther Johnson, Orville Johnson, Rudolph Kroener, Arnold Lane (compiler), Frank Lockwood, Andrew Lutterbein, Vanche Plumb, Helen Pratt, Dan Rankin, Francis Raymond, Edith Sanford, Georgiana Sanford, Mrs. Ross Shafer, Clara Weedmark, Mabel Whiting, Alice Zimmerman, Fern Zimmerman.

488. Pasadena–San Gabriel Valley, Calif. (same area as last year).—Dec. 28; 6 a.m. to 5 p.m. Cloudy,

a.m., fair p.m.; temp. 37° to 62°; wind variable, 3-10 m.p.h. Twenty-nine observers in 11 parties. Total party-hours, 72 (62 on foot, 10 by car); total party-miles, 153 (46 on foot, 107 by car). Great Blue Heron, 1; Am. Egret, 2; Green Heron, 5; Am. Bittern, 1; Mallard, 1; Pintail, 4; Cinnamon Teal, 2; Canvas-back, 2; Lesser Scaup, 3; Ruddy Duck, 8; White-tailed Kite, 4; Sharp-shinned Hawk, 6; Cooper's Hawk, 6; Red-tailed Hawk, 17; Red-shouldered Hawk, 8; Pigeon Hawk, 4; Sparrow Hawk, 47; California Quail, 143; Mountain Quail, 1; Ring-necked Pheasant, 6; Florida Gallinule, 2; Am. Coot, 127; Killdeer, 163; Wilson's Snipe, 12; Greater Yellow-legs, 13; Least Sandpiper, 21; Glaucous-winged Gull, 1; Herring Gull, 72; California Gull, 35; Ring-billed Gull, 452; Band-tailed Pigeon, 43; Mourning Dove, 504; Spotted Dove, 85; Screech Owl, 5; Horned Owl, 3; White-throated Swift, 108; Costa's Hummingbird, 1 (carefully identified—A.B.); Anna's Hummingbird, 44; Belted Kingfisher, 4; Red-shafted Flicker, 98; Acorn Woodpecker, 16; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 11; Nuttall's Woodpecker, 18; Black Phoebe, 42; Say's Phoebe, 4; Horned Lark, 5; Steller's Jay, 14; Scrub Jay, 105; Am. Crow, 357; Mountain Chickadee, 37; Plain Titmouse, 51; Common Bushtit, 862; White-breasted Nuthatch, 3; Wren-tit, 48; House Wren, 7; Bewick's Wren, 22; Cañon Wren, 2; Rock Wren, 1; Mockingbird, 135; California Thrasher, 29; Am. Robin, 42; Hermit Thrush, 14; Western Bluebird, 10; Townsend's Solitaire, 1; Blue-gray Gnatcatcher, 34; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 73; Water Pipit, 224; Loggerhead Shrike, 45; Hutton's Vireo, 3; Solitary Vireo, 1; Orange-crowned Warbler, 8; Audubon's Warbler, 764; Common Yellowthroat, 16; Black-capped Warbler, 5; House Sparrow, 390; Western Meadowlark, 485; Red-winged Blackbird, 459; Brewer's Blackbird, 957; Cardinal, 23; Purple Finch, 11; Cassin's Finch, 6; House Finch, 1475; Pine Siskin, 20; Am. Goldfinch, 97; Lesser Goldfinch, 132; Lawrence's Goldfinch, 15; Green-tailed Towhee, 1; Spotted Towhee, 47; Brown Towhee, 174; Savannah Sparrow, 11; Oregon Junco, 108; Chipping Sparrow, 29; White-crowned Sparrow, 425; Golden-crowned Sparrow, 20; Lincoln's Sparrow, 2; Song Sparrow, 127. **Total,** 98 species (1 additional subspecies); about 10,093 individuals.—Mrs. Marjorie Barnett, Arthur Barr, Mr. and Mrs. J. H. Comby, Brian Daley, Mrs. Caroline Daugherty, Doris Gates, L. M. Gates, Patrick Gould, Bill Hawkins, Robert Hays, Paul Herman, Dick Holmes, Warren Hunt, Louise Lucken, Dr. and Mrs. E. B. McGregar, Mrs. Dorothy Pool, W. D. Quattlebaum, Earl Rugraff, Mrs. E. B. Rumble, Denise Smith, Mrs. H. F. Smith, Richard Smith, Mrs. O. M. Stultz, Dick Suter, Gary Taylor, Mrs. Cora Wilson (compiler), Mrs. Gertrude Woods.

489. Red Bluff, Calif. (7½-mile radius centering on Red Bluff; pasture and rolling grasslands 40%, rivers, creeks, sloughs 20%, brushy hills and canyons 20%, rain lakes with oaks and chaparral 10%, town and suburbs 10%).—Dec. 28; 7:30 a.m. to 6 p.m. Few clouds; temp. 32° to 49°; wind N to NW, 0-20 m.p.h.; winter open with considerable flooding. Four observers in 3 parties. Total party-hours, 29 (14 on foot, 5 by car, 10 on horse); total party-miles, 67 (12 on foot, 40 by car, 15 on horse). Eared Grebe, 2; Pied-billed Grebe, 6; **Double-crested Cormorant,** 1; Great Blue Heron, 2; Whistling Swan, 6; Canada Goose, 5000; White-fronted Goose, 350; Snow Goose, 2; Mallard, 36; Am. Widgeon, 22; Pintail, 12; Cinnamon Teal, 2; Shoveller, 5; Wood Duck, 2; Redhead, 6; Canvas-back, 6; Lesser Scaup, 17; Buffle-head, 2; Ruddy Duck, 235; Hooded Merganser, 4; Am. Merganser, 3; **Turkey Vulture, 69**; **White-tailed Kite,** 1; Sharp-shinned Hawk, 3; Red-tailed Hawk, 21; Red-shouldered Hawk, 3; Marsh Hawk, 4; **Sparrow Hawk, 63**; California Quail, 278; Ring-necked Pheasant, 35; Sandhill Crane, 650; Am. Coot, 582; Killdeer, 121; Wilson's Snipe, 34; **Spotted Sandpiper,** 1; **Greater Yellow-legs,** 1; Band-tailed Pigeon, 1; Mourning Dove, 61; Road-runner, 1; Barn Owl, 2; Screech Owl, 3; Horned Owl, 2; Burrowing Owl, 3; **Anna's Hummingbird,** 1; Belted Kingfisher, 4; **Red-shafted Flicker, 200**; **Acorn Woodpecker, 300**; **Lewis's Woodpecker, 122**; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 3; Nuttall's Woodpecker, 4; Black Phoebe, 4; Say's Phoebe, 2; Horned Lark, 300; **Steller's Jay, 108**; **Scrub Jay, 264**; **Yellow-billed Magpie, 489**; **Am. Crow, 977**; Mountain Chickadee, 3; Plain Titmouse, 43; Common Bushtit, 71; White-breasted Nuthatch, 5; Brown Creeper, 2; Wren-tit, 1; Am. Dipper, 1; Bewick's Wren, 3; Rock Wren, 12; **Mockingbird, 9**; California Thrasher, 2; **Am. Robin, 1000**; Varied Thrush, 2; Hermit Thrush, 3; Western Bluebird, 88; Mountain Bluebird, 34; Black-tailed Gnatcatcher, 1; Ruby-crowned Kinglet, 35; Water Pipit, 200; Cedar Waxwing, 27; Loggerhead Shrike, 12; **Common Starling, 12**; Hutton's Vireo, 1; Orange-crowned Warbler, 1; Audubon's Warbler, 87; House Sparrow, 100; **Western Meadowlark, 1000**; Red-winged Blackbird, 160; Brewer's Blackbird, 500; Brown-headed Cowbird, 8; Purple Finch, 8; House Finch, 800; Pine Siskin, 100; Am. Goldfinch, 100; Lesser Goldfinch, 500; Spotted Towhee, 56; Brown Towhee, 17; Grasshopper Sparrow, 3; Vesper Sparrow, 62; Lark Sparrow, 200; Oregon Junco, 200; White-crowned Sparrow, 500; Golden-crowned Sparrow, 76; Fox Sparrow, 1; Lincoln's Sparrow, 1; Song Sparrow, 3. **Total,** 105 species; more than 16,491 individuals. —Rodney Gregg, Warren Labarthe, Beatrice W. Nielsen (compiler), George W. Nielsen.

490. Redlands, Calif. (7½-mile radius centering on Igos in Mill Creek Canyon, same area as last year; lack of snow in mountains made it possible to travel many roads not accessible past 2 years; dry coniferous woodland 50%, chaparral 10%, open fields 30%, pond margins 5%, stream sides 5%).—Dec. 31; 6:30 a.m. to 4:30 p.m. Cloudy a.m., clear most of p.m.; temp. 30° to 56°; little or no snow in mountains, ponds open, lower reservoirs drained. Nine observers in 4 parties. Total party-hours, 36 (22 on foot, 14 by car); total party-miles, 200 (16 on foot, 184 by

car). Ring-necked Duck, 10; Lesser Scaup, 1; Ruddy Duck, 1; Cooper's Hawk, 5; Red-tailed Hawk, 8; Golden Eagle, 4; Marsh Hawk, 1; Sparrow Hawk, 23; California Quail, 36; Mountain Quail, 7; Killdeer, 9; Band-tailed Pigeon, 2; Mourning Dove, 14; Spotted Dove, 21; Horned Owl, 2; hummingbird (sp.), 1; Red-shafted Flicker, 34; Acorn Woodpecker, 175; Yellow-bellied Sapsucker, 4; Williamson's Sapsucker, 1; Downy Woodpecker, 2; Nuttall's Woodpecker, 10; White-headed Woodpecker, 12; Black Phoebe, 4; Say's Phoebe, 2; empidonax (sp.), 1 (W.V.); Steller's Jay, 112; Scrub Jay, 75; Common Raven, 8; Am. Crow, 39; Mountain Chickadee, 195; Plain Titmouse, 9; Common Bushtit, 58; White-breasted Nuthatch, 19; Red-breasted Nuthatch, 1; Pygmy Nuthatch, 46; Brown Creeper, 7; Wren-tit, 33; Am. Dipper, 1; Bewick's Wren, 5; Cañon Wren, 1; Mockingbird, 17; California Thrasher, 16; Am. Robin, 69; **Varied Thrush,** 2 (J.G.); Western Bluebird, 163; Mountain Bluebird, 1; Townsend's Solitaire, 2; Blue-gray Gnatcatcher, 1; Ruby-crowned Kinglet, 18; Phainopepla, 1; Loggerhead Shrike, 12; Audubon's Warbler, 22; House Sparrow, 37; Western Meadowlark, 27; Brewer's Blackbird, 149; Purple Finch, 31; Cassin's Finch, 2; House Finch, 1019; Pine Siskin, 338; Lesser Goldfinch, 81; Lawrence's Goldfinch, 49; Spotted Towhee, 15; Brown Towhee, 77; Savannah Sparrow, 15; Lark Sparrow, 6; Sage Sparrow, 6; Slate-colored Junco, 2; Oregon Junco, 232; Gray-headed Junco, 4; White-crowned Sparrow, 314; Golden-crowned Sparrow, 46; Fox Sparrow, 1; Song Sparrow, 4. **Total,** 74 species; about 3778 individuals.—Lucille Abbott, Beatrice Forrest, Jeanne Goodman, John Goodman (compiler), Robert Mitchell, Eva Rhodes, Mildred Smith, Josiphine Vaughn, Wilbur Vroman (San Bernardino Valley Audubon Society).

491. Sacramento, Calif. (7½-mile radius centering at northeast corner of Sacramento Floodwater By-Pass Weir, approximately 1½ miles west of confluence of Sacramento and American Rivers; town and suburbs 25%, fields 40%, riparian woodlands 5%, marsh 3%, open water 27%).—Dec. 26; 7 a.m. to 5 p.m. Intermittent heavy showers; temp. 54° to 58°; wind 13-20 m.p.h.; on wake of most disastrous floods in northern California history, much of area under 20 ft. of water. Forty-nine observers in 14 parties. Total party-hours, 124 (39 on foot, 84 by car, 1 by airplane); total party-miles, 669 (99 on foot, 520 by car, 50 by airplane). **Eared Grebe,** 7; Pied-billed Grebe, 20; White Pelican, 46; Great Blue Heron, 6; Am. Egret, 408; Green Heron, 8; Black-crowned Night Heron, **424**; Am. Bittern, 1; Whistling Swan, 115; Canada Goose, 3177; White-fronted Goose, 1290; Snow Goose, 2938; **Ross's Goose, 26**; goose (sp.), 33,000; Mallard, 6203; Am. Widgeon, 74; Pintail, **114,058**; Green-winged Teal, 12; Cinnamon Teal, 4; Shoveller, 102; Wood Duck, 12; Ring-necked Duck, 13; Canvas-back, 36; Lesser Scaup, 4; Ruddy Duck, 21; Am. Merganser, 6; Turkey Vulture, 1; **White-tailed Kite, 18**; Sharp-shinned Hawk, 3; Cooper's Hawk, 8; Red-tailed Hawk, **94**; Red-shouldered Hawk, 5; **Swainson's Hawk,** 1 (F.E. party); Rough-legged Hawk, 1; Marsh Hawk, **119**; Prairie Falcon, 1; Sparrow Hawk, **301**; California Quail, 178; Ring-necked Pheasant, 227; Sandhill Crane, 2; Florida Gallinule, 5; Am. Coot, 4763; Killdeer, **2297**; Wilson's Snipe, 1; Long-billed Curlew, 3; Least Sandpiper, 15; Red-backed Sandpiper, 215; Dowitcher, 118; Western Sandpiper, 75; sandpiper (sp.), 650; **Glaucous-winged Gull,** 1; **Herring Gull,** 1; California Gull, **1825**; Ring-billed Gull, **1129**; gull (sp.), 2915; Mourning Dove, 218; Barn Owl, 5; Horned Owl, 4; Burrowing Owl, 2; Long-eared Owl, 1; Short-eared Owl, 1; **Anna's Hummingbird,** 3; Belted Kingfisher, 13; Red-shafted Flicker, **470**; Acorn Woodpecker, 69; Yellow-bellied Sapsucker, 4; Downy Woodpecker, 16; **Nuttall's Woodpecker, 29**; Black Phoebe, 35; Horned Lark, 350; Tree Swallow, 7; Scrub Jay, 314; Yellow-billed Magpie, **1585**; Common Raven, 6; Am. Crow, 1198; Plain Titmouse, 29; Common Bushtit, 69; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 4; Brown Creeper, 17; Wren-tit, 2; House Wren, 4; Bewick's Wren, 28; Long-billed Marsh Wren, 12; Mockingbird, 46; Am. Robin, 265; Varied Thrush, 38; Hermit Thrush, 14; Western Bluebird, 10; Golden-crowned Kinglet, 27; Ruby-crowned Kinglet, 153; Water Pipit, **1652**; Cedar Waxwing, 329; Loggerhead Shrike, 63; Orange-crowned Warbler, 5; **Nashville Warbler, 2** (carefully identified); Audubon's Warbler, 648; House Sparrow, 2980; Western Meadowlark, 3141; Red-winged Blackbird, 6753; Brewer's Blackbird, 9977; blackbird (sp.), 15,500; Purple Finch, 7; Cassin's Finch, 1; House Finch, 2395; **Pine Siskin, 30**; Am. Goldfinch, **2230**; Lesser Goldfinch, **825**; Spotted Towhee, 220; Brown Towhee, 111; Savannah Sparrow, **1460**; Grasshopper Sparrow, 3; Lark Sparrow, 325; Oregon Junco, 838; Chipping Sparrow, 1; White-crowned Sparrow, **6613**; **Golden-crowned Sparrow, 1101**; Fox Sparrow, 12; Song Sparrow, 232. **Total,** 115 species (2 additional subspecies); about 239,494 individuals. (Seen count period: Am. Avocet, Say's Phoebe, Common Starling.)—Earl A. Albertson, A. J. Argante, Jonda Argante, Tod Argante, Mrs. Willie Argante, Mrs. Cora Baker, Mrs. Lillian Barnes, Marvin E. Barnes, Mrs. Georgia Borchert, Eugene Christian, Jim Court, Ronald Cottrell, Robert L. Cunningham, L. Robert Cunningham, Betsy Cutler, Jack Dennison, Mrs. Olivette Dennison, George Dobbins, Robert DiFreitas, Richard DiFreitas, Fred G. Evenden, Robert Frost, Bill Grant, Mrs. Helen Grant, Jim Grant, Lucy Grant, Muriel Kaminsky, Betty Kimball, Helen Kimball, Delbert King, Celeste Kirsher, William K. Kirsher, David Labhard, Mrs. Lucy J. Labhard, Nancy Labhard, Teddy Labhard, Paul McMillan, Alfrieda Meuser, E. R. Pickett, Dennis Price, Michael Rodegerts, Joanne Stonesifer, D. Bruce Swinehart, James O. Wanzer, Mrs. Magdalene Wanzer, Lee Wells, Alice Williams, Edward Yeaw, Effie Yeaw.

492. Salton Sea–Imperial Valley, Calif. (15-mile diameter centered near Shamrock Siding, including parts of Salton Sea National Wildlife Refuge, Imperial State Waterfowl Management Area, Alamo River, Mullet Island; open waters 20%, cultivated

fields 20%, flooded areas 15%, thickets 15%, marsh 10%, mudflats 10%, Mesquite 5%, Tamarisk and Eucalyptus groves 4%, stockyards 1%).—Dec. 27; 4:45 a.m. to 5 p.m. Clear; temp. 59° to 71°; wind WSW to SW, 5-10 m.p.h.; water open, relatively few flooded or irrigated fields; rising of Salton Sea has flooded parts of refuge. Eight observers in 2 parties. Total party-hours, 25½ (19½ on foot, 6 by car); total party-miles, 131 (5 on foot, 126 by car). Eared Grebe, 1112; Western Grebe, 1; Pied-billed Grebe, 2; White Pelican, 1; Double-crested Cormorant, 3; Great Blue Heron, 2; Am. Egret, 2; Snowy Egret, 16; Green Heron, 4; Black-capped Night Heron, 105; Am. Bittern, 3; Least Bittern, 2; White-faced Ibis, 34; Canada Goose, 311; White-fronted Goose, 114; Snow Goose, 2612; Mallard, 31; Gadwall, 12; Am. Widgeon, 20,000; Pintail, 4000; Green-winged Teal, 6000; Cinnamon Teal, 204; Shoveller, 6000; Redhead, 22; Canvas-back, 164; Lesser Scaup, 326; Am. Golden-eye, 14; Buffle-head, 56; Ruddy Duck, 425; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 19; Prairie Falcon, 1; Pigeon Hawk, 1; Sparrow Hawk, 21; Gambel's Quail, 56; Ring-necked Pheasant, 1; Sora, 9; Florida Gallinule, 9; Am. Coot, 8000; Ringed Plover, 2; Killdeer, 3; Black-bellied Plover, 2; Wilson's Snipe, 1; Long-billed Curlew, 463; Hudsonian Curlew, 2; **Stilt Sandpiper, 1** (present since Oct., carefully studied—A.S.); Willet, 8; Greater Yellow-legs, 1; Least Sandpiper, 502; Red-backed Sandpiper, 12; Dowitcher, 96; Western Sandpiper, 1200; Marbled Godwit, 12; Am. Avocet, 124; Black-necked Stilt, 16; Herring Gull, 11; Ring-billed Gull, 1453; Mourning Dove, 1200; Road-runner, 9; Barn Owl, 1; Screech Owl, 1; Burrowing Owl, 4; Red-shafted Flicker, 5; Gila Woodpecker, 7; Ladder-backed Woodpecker, 6; Black Phoebe, 8; Say's Phoebe, 12; Horned Lark, 4000; Tree Swallow, 250; Common Raven, 1; Verdin, 11; Cactus Wren, 7; Long-billed Marsh Wren, 6; Rock Wren, 3; Mockingbird, 5; Crissal Thrasher, 5; Mountain Bluebird, 800; Blue-gray Gnatcatcher, 13; Black-tailed Gnatcatcher, 14; Ruby-crowned Kinglet, 1; Water Pipit, 3000; Loggerhead Shrike, 24; Orange-crowned Warbler, 2; Audubon's Warbler, 600; Common Yellowthroat, 2; House Sparrow, 322; Western Meadowlark, 32; Red-winged Blackbird, 14,000; Brewer's Blackbird, 221; Brown-headed Cowbird, 105; House Finch, 6; Lesser Goldfinch, 2; Abert's Towhee, 11; Savannah Sparrow, 46; Lark Sparrow, 18; Oregon Junco, 31; Chipping Sparrow, 11; White-crowned Sparrow, 620; Lincoln's Sparrow, 1; Song Sparrow, 3. **Total,** 102 species; about 79,033 individuals. (Ring-necked Duck, Vermilion Flycatcher, Yellow-headed Blackbird seen count period.)—Brian Daley, Pat Gould, William Hawkins, Paul Herman, William Lofthouse, Edward J. O'Neil, Arnold Small (compiler), John Tramontano.

493. **San Bernardino, Calif.** (7½-mile radius centering at Inland Lake, including Warm Creek Wildlife Refuge, foothills of Del Rosa and San Bernardino; pasture and streamside willows 10%, pond and cattail marshes 25%, deciduous woods 30%, chaparral 25%, suburbs and roadsides 10%).—Dec. 26; 7 a.m. to 5 p.m. Sunny; temp. 45° to 65°; wind 5 m.p.h. Sixteen observers in 7 parties. Total party-hours, 26 (7 on foot, 19 by car); total party-miles, 90 (11 on foot, 79 by car). Am. Egret, 2; Green Heron, 1; Am. Widgeon, 2; Green-winged Teal, 8; Shoveller, 8; Ring-necked Duck, 1; Ruddy Duck, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 6; Golden Eagle, 2; Marsh Hawk, 1; Sparrow Hawk, 18; California Quail, 44; Am. Coot, 35; Killdeer, 9; Spotted Sandpiper, 1; Ring-billed Gull, 2; Mourning Dove, 5; Spotted Dove, 62; **Ground Dove,** 1 (carefully identified); Road-runner, 2; Barn Owl, 3; Screech Owl, 2; Anna's Hummingbird, 9; Red-shafted Flicker, 35; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 4; Downy Woodpecker, 2; Nuttall's Woodpecker, 7; Cassin's Kingbird, 1; Black Phoebe, 7; Say's Phoebe, 2; Steller's Jay, 18; Scrub Jay, 84; Am. Crow, 241; Mountain Chickadee, 9; Common Bushtit, 79; White-breasted Nuthatch, 1; Wren-tit, 18; House Wren, 3; Bewick's Wren, 10; Mockingbird, 60; California Thrasher, 21; Am. Robin, 10; Hermit Thrush, 5; Western Bluebird, 118; Mountain Bluebird, 1; Townsend's Solitaire, 2; Blue-gray Gnatcatcher, 4; Ruby-crowned Kinglet, 14; Loggerhead Shrike, 13; Audubon's Warbler, 72; Common Yellowthroat, 1; House Sparrow, 204; Western Meadowlark, 36; Red-winged Blackbird, 618; **Tricolored Blackbird,** 1 (carefully studied); Brewer's Blackbird, 2093; House Finch, 793; Am. Goldfinch, 5; Lesser Goldfinch, 143; Lawrence's Goldfinch, 4; Green-tailed Towhee, 1; Spotted Towhee, 25; Brown Towhee, 86; Lark Sparrow, 12; Oregon Junco, 45; White-crowned Sparrow, 178; Golden-crowned Sparrow, 13; Song Sparrow, 13. **Total,** 71 species; about 5342 individuals. (**Phainopepla,** Chipping Sparrow, Cedar Waxwing, Burrowing Owl, Water Pipit, Wilson's Snipe, **Black-chinned Hummingbird, Red Crossbill** seen count period.)—Mrs. Lucile Abbott, Mrs. Dela Jean Baile, George Cushing, Mrs. George Cushing, Mrs. Roberta Cushing, Beatrice Forrest, Mrs. May Hess, Mrs. Lelia Martin, Barbara Monroe, Mildred Smith, Mrs. Glenn Vaughn, Mrs. Patricia Wade, Mrs. Ethel West (compiler), Mrs. Ann Wissler.

494. **San Diego, Calif.** (7½-mile radius centering at 30th St. and Ocean View Blvd.; ocean and rocky shores 2%, tide flats 8%, salt-water bays 16%, salt marshes 2%, fresh-water ponds and reservoirs 10%, open brushland 16%, dry brushy and rocky canyons 20%, willow thickets 3%, Live Oak groves 2%, city parks 14%, suburban areas and yards 7%).—Dec. 26; 5 a.m. to 5:30 p.m. Partly cloudy; temp. 53° to 70°; wind SW to W, 8-15 m.p.h. Thirty-six observers in 18 parties. Total party-hours, 142 (101 on foot, 39 by car, 2 by boat); total party-miles, 413 (74 on foot, 314 by car, 25 by boat). Common Loon, 3; Arctic Loon, 8; Red-throated Loon, 1; **Red-necked Grebe,** 1 (3 observers); Horned Grebe, **238**; Eared Grebe, 415; Western Grebe, 163; Pied-billed Grebe, 77; **Slender-billed Shearwater,** 1 (K.S., Jr., C.S.); Brown Pelican, 177; Double-crested Cormorant, 853; Brandt's Cormorant, **601**; Pelagic Cormorant, 4;

Great Blue Heron, 22; Am. Egret, 123; Snowy Egret, 107; Green Heron, 9; Black-crowned Night Heron, 30; Am. Bittern, 1; Canada Goose, 27; Black Brant, 194; Mallard, 28; Gadwall, 2; Am. Widgeon, 217; Pintail, 2218; Green-winged Teal, 174; Shoveller, 1448; Canvas-back, 3; **Greater Scaup,** 1 (J.C.); Lesser Scaup, 4647; Am. Golden-eye, 10; Buffle-head, 144; White-winged Scoter, 4; Surf Scoter, **10,540**; **Am. Scoter, 5** (B.R., M.R.); Ruddy Duck, **1146**; **Am. Merganser, 2** (K.S., Jr., G.S.); Red-breasted Merganser, 42; duck (sp.), 200; White-tailed Kite, 2; Sharp-shinned Hawk, 2; Cooper's Hawk, 5; accipiter (sp.), 2; Red-tailed Hawk, 22; Red-shouldered Hawk, 2; buteo (sp.), 1; Golden Eagle, 1; Marsh Hawk, 8; Prairie Falcon, 1; Peregrine Falcon, 1; Pigeon Hawk, 3; Sparrow Hawk, 49; California Quail, 321; **Ring-necked Pheasant,** 6; Clapper Rail, 9; Sora, 1; Florida Gallinule, 5; Am. Coot, 421; Snowy Plover, 4; Ringed Plover, 30; Killdeer, 137; Black-bellied Plover, 186; Surf-bird, 10; Ruddy Turnstone, 57; Black Turnstone, 41; Wilson's Snipe, 6; Long-billed Curlew, 53; Hudsonian Curlew, 6; Spotted Sandpiper, 4; Willet, 230; Greater Yellow-legs, 8; **Lesser Yellow-legs, 2**; **Red Knot, 5** (E.B., T.B., G.H.); Least Sandpiper, 82; Red-backed Sandpiper, 307; Dowitcher, 287 (extremes of Long-billed and Eastern); Western Sandpiper, 616; Marbled Godwit, 727; Sanderling, 279; Am. Avocet, 243; Black-necked Stilt, 73; Northern Phalarope, 5; **Parasitic Jaeger,** 2 (seen earlier this fall—K.S., Jr., C.S.); Glaucous-winged Gull, 15; Western Gull, 463; Herring Gull, 55; California Gull, 373; Ring-billed Gull, 1248; Short-billed Gull, 5; Bonaparte's Gull, 1084; Heermann's Gull, 69; gull (sp.), 265; Forster's Tern, 189; Common Tern, 10; Royal Tern, 40; **Elegant Tern,** 3 (C.C., S.W.); Caspian Tern, 20; Mourning Dove, 372; Spotted Dove, 7; Road-runner, **14**; Barn Owl, 12; Screech Owl, 6; Horned Owl, 4; Burrowing Owl, 4; Long-eared Owl, 2; **Short-eared Owl,** 1 (C.C., J.B., S.W.); White-throated Swift, 18; **Black-chinned Hummingbird, 2** (R.G., R.M.); Anna's Hummingbird, 79; Belted Kingfisher, 9; Red-shafted Flicker, 73; Acorn Woodpecker, 2; Yellow-bellied Sapsucker, 1; Nuttall's Woodpecker, 5; Cassin's Kingbird, 4; Black Phoebe, 41; Say's Phoebe, 18; Horned Lark, 59; Tree Swallow, **195**; Scrub Jay, 61; Am. Crow, 6; Common Bushtit, 453; **White-breasted Nuthatch, 3** (M.H., A.H., A.C.); **Red-breasted Nuthatch, 3** (5 observers); Wren-tit, 153; House Wren, 4; **Winter Wren,** 1 (C.C., S.W.); Bewick's Wren, 28; Long-billed Marsh Wren, 4; Mockingbird, 100; California Thrasher, 64; Am. Robin, 106; Hermit Thrush, 52; Western Bluebird, 40; Blue-gray Gnatcatcher, 8; Ruby-crowned Kinglet, 41; Water Pipit, 134; Cedar Waxwing, 223; Phainopepla, 2; Loggerhead Shrike, 46; Hutton's Vireo, 3; Orange-crowned Warbler, 4; **Myrtle Warbler,** 1 (E.T.); Audubon's Warbler, 729; Townsend's Warbler, 6; Common Yellowthroat, 14; House Sparrow, 138; Western Meadowlark, 134; Yellow-headed Blackbird, 1; Red-winged Blackbird, 151; Tricolored Blackbird, **250**; Brewer's Blackbird, 323; Brown-headed Cowbird, 82; **Evening Grosbeak,** 1 (E.A.P.); Purple Finch, 6; House Finch, 1102; **Pine Siskin, 2** (E.A.P.); Am. Goldfinch, 27; Lesser Goldfinch, 131; Spotted Towhee, 26; Brown Towhee, 260; Savannah Sparrow, 122; Lark Sparrow, 8; Rufous-crowned Sparrow, **28**; Sage Sparrow, 2; Oregon Junco, 24; Chipping Sparrow, 3; White-crowned Sparrow, 403; Fox Sparrow, 1; Lincoln's Sparrow, 3; Song Sparrow, 24. **Total,** 168 species; about 38,456 individuals. (Seen official count period: Turkey Vulture, Hooded Oriole.) [Careful neat report, excellent details submitted for all unusual observations—Ed.] —Agnes Behrens, John A. Bollinger, Ethel P. Brown, T. H. Brown, C. H. Channing, Wyatt Cone, Alan M. Craig, James E. Crouch (compiler), Virginia Eliot, Lloyd J. Farrar, Robert A. Grom, Awona W. Harrington, Maureen J. Heraty, George H. Hughes, Mrs. George H. Hughes, Angela Kitzinger, Robert Minnis, Harriet M. Popejoy, Paul E. Popejoy, Lenore Porter, Eleanor A. Pugh, Ethelwyn H. Putnam, Jane C. Richey, Donald M. Robinson, Boyd Robinson, Minta Robinson, James Sams, C. Jackson Selsor, Harriet P. Snyder, Ken Stott, Jr., E. C. Trowbridge, Margaret E. Van Wert, Philip Washburn, Stan Williams, Chester A. Yackels, Leah Mae Yackels. (San Diego Audubon Society, San Diego State College).

495. San Francisco, Calif. (Marina, Lincoln Park, Twin Parks, Sutro Forest, Land's End, Presidio, Golden Gate Park, Stern Grove, Treasure Island, San Francisco Bay, Pacific Ocean beach, Seal Rocks, Lake Merced. Fleishhacker area, Marin shoreline, McLaren Park, 22 smaller city parks).—Dec. 26; 8 a.m. to 5:30 p.m. Rainy with squalls; temp. 58° to 52°; wind SW, 15 m.p.h. Seventeen observers in 14 parties. Total party-hours, 95 (51 on foot, 44 by car); total party-miles, 184 (45 on foot, 139 by car). Arctic Loon, 21; Red-throated Loon, 32; loon (sp.), 17; Red-necked Grebe, 1; Horned Grebe, 35; Eared Grebe, 114; Western Grebe, 631; Pied-billed Grebe, 42; Brown Pelican, 117; Double-crested Cormorant, 369; Brandt's Cormorant, 421; Pelagic Cormorant, 38; cormorant (sp.), 172; Great Blue Heron, 2; Am. Egret, 3; Green Heron, 2; Black-crowned Night Heron, 5; Mallard, 693; Gadwall, 2; Am. Widgeon, 629; Shoveller, 24; Ring-necked Duck, 31; Canvas-back, 125; Greater Scaup, 35; Lesser Scaup, 174; Am. Golden-eye, 3; Buffle-head, 1; Old-squaw, 1; White-winged Scoter, 34; Surf Scoter, 349; Ruddy Duck, 237; Red-breasted Merganser, 20; duck (sp.), 20; Cooper's Hawk, 1; Red-tailed Hawk, 3; Peregrine Falcon, 1; Sparrow Hawk, 15; California Quail, 100; Am. Coot, 1015; Snowy Plover, 7; Killdeer, 43; Black-bellied Plover, 3; Black Turnstone, 30; Long-billed Curlew, 1; Spotted Sandpiper, 2; Wandering Tattler, 6; Willet, 16; Red-backed Sandpiper, 4; Sanderling, 577; Am. Avocet, 2; **Northern Phalarope,** 1; Glaucous-winged Gull, 793; Western Gull, 2385; Herring Gull, 124; California Gull, 2680; Ring-billed Gull, 2216; Short-billed Gull, 648; Bonaparte's Gull, 212; Heermann's Gull, 3; gull (sp.), 1725; Forster's Tern, 48; Common Murre, 2; Mourning Dove, 11; Horned Owl, 1; Anna's Hummingbird, 15; Belted Kingfisher, 3; Red-shafted Flicker, 55; Yellow-bellied Sapsucker,

1; Downy Woodpecker, 3; Black Phoebe, 41; Horned Lark, 15; Scrub Jay, 6; Common Raven, 9; Am. Crow, 1; Chestnut-backed Chickadee, 45; Common Bushtit, 38; Red-breasted Nuthatch, 7; Brown Creeper, 2; Wren-tit, 3; Winter Wren, 4; Bewick's Wren, 2; Long-billed Marsh Wren, 1; Am. Robin, 234; Varied Thrush, 24; Hermit Thrush, 32; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 36; Water Pipit, 70; Loggerhead Shrike, 4; Hutton's Vireo, 4; Audubon's Warbler, 67; Common Yellowthroat, 5; House Sparrow, 446; Western Meadowlark, 79; Brewer's Blackbird, 494; House Finch, 785; Pine Siskin, 70; Am. Goldfinch, 2; Spotted Towhee, 6; Lark Sparrow, 1; Oregon Junco, 238; White-crowned Sparrow, 1040; Golden-crowned Sparrow, 430; Fox Sparrow, 66; Song Sparrow, 151. **Total,** 101 species; about 21,612 individuals.—L. W. Bartow, A. J. Bennett, A. Boles, C. L. Carson, R. R. Chase, A. L. Curl, J. T. Hedgepeth, L. R. Leinbach, E. S. Lennon, W. S. Lennon, A. Parkinson, H. G. Peterson, L. P. Smith, R. Stallcup, P. A. Veitch, F. Zografos, Jr., T. E. Reynolds.

496. Topanga Post-office, Calif. (7½-mile radius centering in Topanga Canyon, including Santa Monica Mountains, Pacific Ocean coast, Malibu Creek; chaparral slopes and mountain sides 10%, coniferous forest 10%, salt-water shore 30%, lagoon 40%, fresh-water creek 10%).—Dec. 27; 8:40 a.m. to 4:40 p.m. Cloudy, clearing later; temp. 54° to 60°; wind W to NW, 2-5 m.p.h.; rains previous 10 days caused ground to be muddy and heavy going in spots. One observer. Total hours, 8 (5 on foot, 3 by car); total miles, 32 (10 on foot, 22 by car). Common Loon, 1; Horned Grebe, 1; Eared Grebe, 9; Pied-billed Grebe, 3; Brown Pelican, 17; Double-crested Cormorant, 1; Snowy Egret, 1; Mallard, 35; Pintail, 1; Green-winged Teal, 2; Shoveller, 2; Lesser Scaup, 1; Am. Golden-eye, 1; Surf Scoter, 5; Ruddy Duck, 27; Red-tailed Hawk, 1; Sparrow Hawk, 2; Am. Coot, 70; Killdeer, 2; Black-bellied Plover, 6; Black Turnstone, 3; Hudsonian Curlew, 1; Willet, 120; Least Sandpiper, 2; Western Sandpiper, 1; Marbled Godwit, 1; Sanderling, 6; Glaucous-winged Gull, 1; Western Gull, 10; California Gull, 87; Ring-billed Gull, 1; Bonaparte's Gull, 7; Heermann's Gull, 24; White-throated Swift, 30; Red-shafted Flicker, 2; Acorn Woodpecker, 3; Nuttall's Woodpecker, 2; Black Phoebe, 3; Say's Phoebe, 1; Scrub Jay, 3; Am. Crow, 4; Plain Titmouse, 2; Mockingbird, 3; Western Bluebird, 3; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 2; Audubon's Warbler, 5; Western Meadowlark, 16; Red-winged Blackbird, 16; Brewer's Blackbird, 4; House Finch, 15; Lesser Goldfinch, 6; Spotted Towhee, 1; Brown Towhee, 8; Savannah Sparrow, 1; Oregon Junco, 20; White-crowned Sparrow, 2; Song Sparrow, 1. **Total,** 58 species; 606 individuals.—Earle R. Greene.

497. Tulelake and Lower Klamath National Wildlife Refuges, Calif.–Oreg. Jan. 2; 8 a.m. to 5 p.m.; temp. 30° to 42°. One observer. Total hours, 8; total miles, 98 (all by car). Eared Grebe, 1; Western Grebe, 1; Pied-billed Grebe, 4; Great Blue Heron, 15; Black-crowned Night Heron, 7; Whistling Swan, 4192; Canada Goose, 911; White-fronted Goose, 480; Snow Goose, 67; Mallard, 6350; Am. Widgeon, 1215; Pintail, 1246; Green-winged Teal, 11; Shoveller, 1380; Redhead, 30; Ring-necked Duck, 5; Canvas-back, 602; Lesser Scaup, 850; Am. Golden-eye, 43; Buffle-head, 138; Ruddy Duck, 756; Hooded Merganser, 2; Am. Merganser, 700; Red-tailed Hawk, 1; Rough-legged Hawk, 9; Golden Eagle, 11; Bald Eagle, 52; Marsh Hawk, 51; Prairie Falcon, 1; Sparrow Hawk, 5; Chukar Partridge, 7; California Quail, 163; Ring-necked Pheasant, 471; Am. Coot, 154; Ring-billed Gull, 37; Short-eared Owl, 7; Red-shafted Flicker, 8; Horned Lark, 77; Am. Magpie, 2; Am. Robin, 2; House Sparrow, 125; Brewer's Blackbird, 350; Evening Grosbeak, 42; House Finch, 7; Spotted Towhee, 12; Oregon Junco, 49; White-crowned Sparrow, 7. **Total,** 47 species (1 additional subspecies); about 20,649 individuals.—Thomas Horn.

498. Yosemite National Park, Calif. (15-mile diameter in canyon of Merced River, including Yosemite Valley, Wawona and Glacier Point Roads to Badger Pass; 2000-7900 ft.; lakeshore 1%, swamp 2%, semi-open hillsides 21%, meadow 12%, river banks 30%, coniferous forests 34%).—Dec. 29; 6:30 a.m. to 4:30 p.m. Snowing heavily all day; temp. 14° to 38°; no wind; ground snow-covered except at lowest elevations; water frozen in shallow areas at higher elevations, heavy flood damage to roads along Merced River. Thirteen observers in 5 parties. Total party-hours, 40 (32 on foot, 8 by car); total party-miles, 87 (24 on foot, 63 by car). Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 3; Golden Eagle, 1; Sparrow Hawk, 1; Mountain Quail, 15; Mourning Dove, 3; Belted Kingfisher, 3; Red-shafted Flicker, 11; Acorn Woodpecker, 15; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 1; Nuttall's Woodpecker, 4; White-headed Woodpecker, 8; Black Phoebe, 3; Steller's Jay, 91; Scrub Jay, 30; Mountain Chickadee, 117; Plain Titmouse, 14; Common Bushtit, 14; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 1; Brown Creeper, 19; Wren-tit, 3; Am. Dipper, 2; Winter Wren, 1; Bewick's Wren, 1; Cañon Wren, 5; Rock Wren, 3; Golden-crowned Kinglet, 259; Ruby-crowned Kinglet, 4; Audubon's Warbler, 1; House Sparrow, 14; Purple Finch, 125; House Finch, 100; Pine Siskin, 35; Lesser Goldfinch, 15; Spotted Towhee, 28; Brown Towhee, 110; Lark Sparrow, 100; Oregon Junco, 271; White-crowned Sparrow, 2; Golden-crowned Sparrow, 120; Fox Sparrow, 1; Song Sparrow, 3. **Total,** 46 species; about 1568 individuals.—Wayne Bryant, Michael Fitzpatrick, W. J. Fitzpatrick (compiler), Glenn Gallison, Douglass Hubbard, Douglass Hubbard, Jr., Janet Hubbard, Bona May McHenry, Bruce McHenry, Marion L. Miles, Martha Phelan, Mary C. Tresidder, Douglas Whiteside.

Species Numbers in the Fifty-sixth Christmas Bird Count

by Stephen W. Simon

The 1955 Christmas Bird Count had a record-breaking score of 485 species. This was 15 more than the previous record of 470 (corrected total) made in 1953, and 17 more than last year's 468 (corrected total). Out of 41 species not seen last year additions to the all-time list include the Slender-billed Shearwater, European Woodcock, Tufted Puffin, White-crowned Pigeon, Rose-throated Becard, Mexican Crested Flycatcher and Philadelphia Vireo.

High counts, including ties, were reported from 150 censuses. To this list, Florida contributed 103 high counts, California 93, Texas 79, Arizona 31, Louisiana 18, New Jersey 17. Ties within a state were counted as only one entry on the state level. On the individual census level Laguna Atascosa added 30 to the list, Santa Ana, Texas, 27; Coot Bay, Florida, 25; Cocoa, Florida, 24; Santa Catalina Mts., Arizona, 20 and Los Angeles, California, 18.

There were more individuals on 209 high counts than on the same high counts of last year; on 21 the number remained the same; and for 213 species the maximum number of individuals decreased. A total of 282 high counts were found in localities different from the year before; of these, 197 were found in different states.

Reelfoot Lake, Tennessee, repeated its total of 4,000,000 Redwings, and Norfolk County, Virginia, tied this number.

The number of species seen last year is corrected to the new total of 468 by the addition of five species that were accidentally left out of the summary, and by the withdrawal of another species. The additions are: Fulmar, 1 (*Calif.*, San Diego); Solitary Sandpiper, 1 (*Fla.*, Panacea, St. Petersburg and Myakka; *La.*, St. Francisville); Ruff, 1 (*Pa.*, Glenolden); European Tree Sparrow, 66 (*Ill.*, East St. Louis) and Cassin's Sparrow, 2 (*Tex.*, Laguna Atascosa). The species included last year, the Great Gray Owl, should have been omitted because of lack of sufficient details, as were all species marked [no details—Ed.]. The Ruff is an addition to the all-time count list.

The numbers in the following summary are not the totals for each species, but represent the highest count from a single Christmas Count area. In the case of ties, all of the areas that tied for the high count are listed. No species or high count which has been questioned by the editor for lack of sufficient details has been included in this list.

Common Loon, 92 (*Va.*, Chincoteague); Arctic Loon, 35 (*Calif.*, Monterey); Red-throated Loon, 134 (*Del.*, Rehoboth); Red-necked Grebe, 121 (*Conn.*, Westport); Horned Grebe, 1703 (*Va.*, Chincoteague); Eared Grebe, 1112 (*Calif.*, Salton Sea); Least Grebe, 13 (*Tex.*, Eagle Pass); Western Grebe, 849 (*Wash.*, Seattle); Pied-billed Grebe, 276 (*Fla.*, Coot Bay); Slender-billed Shearwater, 1 (*Calif.*, San Diego); Sooty Shearwater, 1 (*Calif.*, Crystal Springs); Pink-footed Shearwater, 1 (*Calif.*, Farallon Is.); Fulmar, 8 (*Calif.*, Farallon Is.); White Pelican, 1427 (*Fla.*, Coot Bay); Brown Pelican, 978 (*La.*, Sabine); Gannet, 124 (*Fla.*, Atlantic Ocean off Cocoa Beach); European Cormorant, 118 (*R. I.*, So. Kingstown); Double-crested Cormorant, 1200 (*Fla.*, Cocoa); Olivaceous Cormorant, 19 (*La.*, Sabine); Brandt's Cormorant, 601 (*Calif.*, San Diego); Pelagic Cormorant, 340 (*Calif.*, Farallon Is.); Anhinga (Water Turkey) 78 (*Fla.*, Cocoa); Magnificent Frigatebird (Man-o-war-bird), 24 (*Fla.*, Key Largo).

Great White Heron, 28 (*Fla.*, Coot Bay); Great Blue Heron, 299 (*Tenn.*, Johnsonville); Am. Egret, 430 (*Fla.*, Cocoa); Snowy Egret, 991 (*Fla.*, Coot Bay); Cattle Egret, 2 (*La.*, Sabine); Reddish Egret, 297 (*Tex.*, Laguna Atascosa); Louisiana Heron, 615 (*Fla.*, Coot Bay); Little Blue Heron, 213 (*Fla.*, Monroe); Green Heron, 41 (*Fla.*, Monroe); Black-crowned Night Heron, 424 (*Calif.*, Sacramento); Yellow-crowned Night Heron, 26 (*Fla.*, Coot Bay); Am. Bittern, 16 (*La.*, Sabine); Least Bittern, 4 (*Fla.*, Cocoa); Wood Ibis, 778 (*Fla.*, Coot Bay); Glossy Ibis, 40 (*Fla.*, Cocoa); White-faced Ibis, 881 (*La.*, Sabine); White Ibis, 1213 (*Fla.*, Coot Bay); Roseate Spoonbill, 175 (*Fla.*, Key Largo); Am. Flamingo, 2 (*Fla.*, Coot Bay).

Mute Swan, 347 (*N. Y.*, Cent. Suffolk Co.); Whistling Swan, 5200 (*Va.*, Back Bay); Canada Goose, 60,000 (*N. C.*, Mattamuskeet); Am. Brant, 140,000 (*N. J.*, Oceanville); Black Brant, 194 (*Calif.*, San Diego); White-fronted Goose, 1290 (*Calif.*, Sacramento); Snow Goose, 25,085 (*La.*, Sabine); Blue Goose, 70,538 (*La.*, Sabine); Ross's Goose, 26 (*Calif.*, Sacramento); Mallard, 879,000 (*Ark.*, St. Charles); Black Duck, 20,000 (*N. J.*, Oceanville); Mottled Duck, 208 (*Fla.*, Coot Bay); Gadwall, 3000 (*N. C.*, Mattamuskeet); European Widgeon, 2 (*Conn.*, New London; *Oreg.*, Portland); Am. Widgeon, 120,000 (*Tex.*, Muleshoe); Pintail, 151,700 (*Tex.*, Laguna Atascosa); European Teal, 1 (*Md.*, Ocean City); Green-winged Teal, 10,000 (*Tex.*, Muleshoe); Blue-winged Teal, 363 (*Fla.*, Coot Bay); Cinnamon Teal, 204 (*Calif.*, Salton Sea); Shoveller, 16,000 (*Calif.*, Salton Sea); Wood Duck, 515 (*Fla.*, St. Marks); Redhead, 55,888 (*Tex.*, Laguna Atascosa); Ring-necked Duck, 20,000 (*Tenn.*, Reelfoot); Canvas-back, 22,005 (*Calif.*, Oakland); Greater Scaup, 12,156 (*N. Y.*, No. Nassau Co.); Lesser Scaup, 36,000 (*Fla.*, Cocoa); Am. Golden-eye, 2217 (*Ill.*, Chicago); Barrow's Golden-eye, 22 (*Me.*, Mt. Desert Is.); Buffle-head, 1544 (*Md.*, Annapolis); Old-squaw, 31,539 (*Ind.*, Michigan City); Harlequin Duck, 10 (*Wash.*, Orcas); Common Eider, 200,000 (*Mass.*, Nantucket); King Eider, 1 (*R. I.*, So. Kings-

town); White-winged Scoter, 7175 (*N. Y.*, So. Nassau Co.); Surf Scoter, 10,540 (*Calif.*, San Diego); Am. Scoter, 3122 (*N. Y.*, So. Nassau Co.); Ruddy Duck, 12,123 (*Md.*, Annapolis); Hooded Merganser, 10,168 (*Wis.*, Milwaukee); Am. Merganser, 2611 (*N. Y.*, Oswego); Red-breasted Merganser, 3085 (*N. Y.*, So. Nassau Co.).

Turkey Vulture, 1334 (*Md.*, Ocean City); Black Vulture, 425 (*Ga.*, Sherwood); White-tailed Kite, 18 (*Calif.*, Sacramento); Goshawk, 4 (*Me.*, Webster Corner); Sharp-shinned Hawk, 14 (*Fla.*, Cocoa); Cooper's Hawk, 11 (*N. J.*, Cape May); Red-tailed Hawk, 94 (*Calif.*, Sacramento); Harlan's Hawk, 5 (*Kans.*, Baldwin); Red-shouldered Hawk, 70 (*Fla.*, Monroe); Broad-winged Hawk, 10 (*Fla.*, Lower Keys); Swainson's Hawk, 6 (*Tex.*, Muleshoe); White-tailed Hawk, 5 (*Tex.*, Laguna Atascosa); Short-tailed Hawk, 8 (*Fla.*, Coot Bay); Rough-legged Hawk, 28 (*Ill.*, Rockford); Ferruginous Hawk, 2 (*Utah*, Salt Lake City); Harris's Hawk, 62 (*Tex.*, Laguna Atascosa); Mexican Goshawk, 1 (*Tex.*, Santa Ana); Mexican Black Hawk, 1 (*Tex.*, Laguna Atascosa and Santa Ana); Golden Eagle, 14 (*Wyo.*, Casper); Bald Eagle, 52 (*Calif.*, Tulelake); Marsh Hawk, 189 (*Tex.*, Laguna Atascosa); Osprey, 33 (*Fla.*, Coot Bay); Audubon's Caracara, 14 (*Tex.*, Laguna Atascosa); Gyrfalcon, 1 (*N. Y.*, So. Nassau Co.); Prairie Falcon, 6 (*Utah*, Salt Lake City); Peregrine Falcon, 7 (*Tex.*, Laguna Atascosa); Pigeon Hawk, 4 (*Utah*, Salt Lake City; *Calif.*, Pasadena); Sparrow Hawk, 301 (*Calif.*, Sacramento).

Chachalaca, 32 (*Tex.*, Santa Ana); Blue Grouse, 4 (*Utah*, Salt Lake City); Franklin's Grouse, 2 (*Mont.*, Fortine); Ruffed Grouse, 34 (*Me.*, Webster Corner); Greater Prairie Chicken, 55 (*Ind.*, Willow Slough); Sharp-tailed Grouse, 200 (*Nebr.*, Valentine); European Partridge, 214 (*N. Dak.*, Des Lacs); Rock Partridge, 7 (*Calif.*, Tulelake); Bob-white, 215 (*Md.*, St. Michaels); Scaled Quail, 282 (*N. Mex.*, Clayton); California Quail, 692 (*Utah*, Salt Lake City); Gambel's Quail, 196 (*Ariz.*, Santa Catalina Mts.); Mountain Quail, 20 (*Idaho*, Nampa); Ring-necked Pheasant, 1715 (*S. Dak.*, Madison); Turkey, 79 (*Fla.*, Myakka); Whooping Crane, 16 (*Tex.*, Aransas); Sandhill Crane, 30,000 (*Tex.*, Muleshoe); Limpkin, 6 (*Fla.*, St. Marks); King Rail, 14 (*Fla.*, Cocoa and Monroe); Clapper Rail, 29 (*Fla.*, Jacksonville); Virginia Rail, 6 (*N. Y.*, Cent. Suffolk Co.); Sora, 34 (*Fla.*, Cocoa); Black Rail, 1 (*La.*, Sabine); Purple Gallinule, 1 (*Fla.*, Loxahatchee); Florida Gallinule, 73 (*Fla.*, Monroe); Am. Coot, 12,000 (*Fla.*, Cocoa).

Am. Oyster-catcher, 15 (*S. C.*, Charleston); Black Oyster-catcher, 10 (*Calif.*, Monterey); Ringed Plover, 201 (*Fla.*, Jacksonville); Piping Plover, 75 (*Fla.*, Jacksonville); Snowy Plover, 61 (*Calif.*, Monterey); Wilson's Plover, 20 (*Fla.*, St. Petersburg); Killdeer, 2297 (*Calif.*, Sacramento); Black-bellied Plover, 2135 (*Tex.*, Laguna Atascosa); Surf-bird, 66 (*Calif.*, Los Angeles); Ruddy Turnstone, 172 (*Fla.*, Cocoa); Black Turnstone, 49 (*Calif.*, Los Angeles); Am. Woodcock, 8 (*N. J.*, Cape May); European Woodcock, 1 (*N. J.*, Cape May); Wilson's Snipe, 102 (*La.*, Sabine); Long-billed Curlew, 1200 (*Tex.*, Rockport); Hudsonian Curlew, 29 (*Calif.*, Los Angeles); Spotted Sandpiper, 17 (*Calif.*, Los Angeles); Solitary Sandpiper, 1 (*Fla.*, Daytona Beach and Myakka); Wandering Tattler, 6 (*Calif.*, San Francisco); Willet, 20,788 (*Tex.*, Laguna Atascosa); Greater Yellow-legs, 88 (*Fla.*, Myakka); Lesser Yellow-legs, 60 (*Fla.*, Coot Bay); Red Knot, 102 (*Fla.*, St. Petersburg); Purple Sandpiper, 125 (*N. J.*, Barnegat); Pectoral Sandpiper, 3 (*Fla.*, Loxahatchee); Least Sandpiper, 4376 (*Fla.*, Coot Bay); Red-backed Sandpiper, 3600 (*N. J.*, Cape May); Dowitcher, 904 (*Tex.*, Laguna Atascosa); Stilt Sandpiper, 1 (*Calif.*, Salton Sea); Semipalmated Sandpiper, 2562 (*Tex.*, Laguna Atascosa); Western Sandpiper, 4123 (*Fla.*, Coot Bay); Marbled Godwit, 1311 (*Calif.*, Oakland); Sanderling, 1795 (*N. J.*, Oceanville); Am. Avocet, 2317 (*Calif.*, Oakland); Black-necked Stilt, 73 (*Calif.*, San Diego); Red Phalarope, 3 (*Fla.*, Atlantic Ocean off Cocoa Beach); Northern Phalarope, 20 (*Oreg.*, Eugene); Parasitic Jaeger, 4 (*Fla.*, Atlantic Ocean off Cocoa Beach).

Glaucous Gull, 8 (*N. Y.*, Buffalo); Iceland Gull, 9 (*Que.*, Quebec); Glaucous-winged Gull, 9214 (*Oreg.*, Portland); Great Black-backed Gull, 928 (*N. Y.*, Brooklyn); Western Gull, 463 (*Calif.*, San Diego); Herring Gull, 16,000 (*N. Y.*, Brooklyn); California Gull, 2680 (*Calif.*, San Francisco); Ring-billed Gull, 3896 (*N. Y.*, Rochester); Short-billed Gull, 1404 (*Wash.*, Seattle); Black-headed Gull, 3 (*N. J.*, Long Branch); Laughing Gull, 2581 (*La.*, Sabine); Franklin's Gull, 11 (*Tex.*, Dallas); Bonaparte's Gull, 8601 (*N. Y.*, Buffalo); Little Gull, 1 (*Ind.*, Michigan City); Heermann's Gull, 290 (*Calif.*, Los Angeles); Black-legged Kittiwake, 33 (*Me.*, Damariscotta); Gull-billed Tern, 150 (*Tex.*, Rockport); Forster's Tern, 201 (*Fla.*, Coot Bay); Common Tern, 14 (*Tex.*, Laguna Atascosa); Least Tern, 5 (*Tex.*, Houston); Royal Tern, 650 (*Fla.*, Cocoa); Elegant Tern, 3 (*Calif.*, San Diego); Cabot's Tern, 58 (*Fla.*, Coot Bay); Caspian Tern, 111 (*Fla.*, Coot Bay); Black Skimmer, 1120 (*Fla.*, St. Petersburg); Razor-billed Auk, 4 (*N. J.*, Long Branch); Common Murre, 124 (*Calif.*, Farallon Is.); Brünnich's Murre, 1 (*Mass.*, Cape Ann); Dovekie, 1 (*Mass.*, Cape Cod); Black Guillemot, 8 (*Me.*, Damariscotta); Pigeon Guillemot, 28 (*Wash.*, Orcas); Marbled Murrelet, 72 (*Wash.*, Orcas); Ancient Murrelet, 23 (*Wash.*, Orcas); Cassin's Auklet, 16 (*Calif.*, Farallon Is.); Rhinoceros Auklet, 205 (*Calif.*, Farallon Is); Tufted Puffin, 2 (*Wash.*, Orcas).

White-crowned Pigeon, 13 (*Fla.*, Key Largo); Band-tailed Pigeon, 155 (*Calif.*, Oakland); Mourning Dove, 1624 (*Md.*, Ocean City); Spotted Dove, 160 (*Calif.*, Los Angeles); Ringed Turtle Dove, 12 (*Calif.*, Los Angeles); White-winged Dove, 5 (*Ariz.*, Santa Catalina Mts.); Ground Dove, 381 (*Tex.*, Laguna Atascosa); Inca Dove, 135 (*Ariz.*, Phoenix); White-fronted Dove, 30 (*Tex.*, Santa Ana); Yellow-billed Cuckoo, 1 (*S. C.*, Columbia); Road-runner, 14 (*Calif.*, San Diego); Barn Owl, 7 (*Okla.*, Salt Plains); Screech Owl, 21 (*Pa.*, Glenolden); Horned Owl, 41 (*Wis.*, Adams); Snowy Owl, 3 (*N. Dak.*, Des Lacs); Pygmy Owl, 2 (*Calif.*, Monterey); Ferruginous Owl, 2 (*Tex.*, Santa Ana); Burrowing Owl,

4 (*Calif.*, San Diego and Salton Sea); Barred Owl, 12 (*D. C.*, Washington; *Iowa*, Des Moines; *La.*, St. Francisville); Great Gray Owl, 1 (*Ont.*, Sault Ste. Marie and Port Arthur); Long-eared Owl, 23 (*Ill.*, Rockford); Short-eared Owl, 10 (*N. Y.*, Buffalo); Saw-whet Owl, 5 (*Iowa*, Iowa City).

Whip-poor-will, 3 (*Fla.*, Cocoa); Pauraque, 13 (*Tex.*, Santa Ana); Common Nighthawk, 1 (*Tex.*, Santa Ana); White-throated Swift, 329 (*Calif.*, Los Angeles); Ruby-throated Hummingbird, 5 (*Fla.*, Lower Keys); Black-chinned Hummingbird, 2 (*Calif.*, San Diego); Costa's Hummingbird, 5 (*Ariz.*, Sierra Pinta); Anna's Hummingbird, 226 (*Calif.*, Los Angeles); Rufous Hummingbird, 2 (*La.*, New Orleans); Belted Kingfisher, 165 (*Fla.*, Coot Bay); Green Kingfisher, 2 (*Tex.*, Laguna Atascosa and Del Rio).

Yellow-shafted Flicker, 159 (*Md.*, Ocean City); Red-shafted Flicker, 470 (*Calif.*, Sacramento); Gilded Flicker, 19 (*Ariz.*, Santa Catalina Mts.); Pileated Woodpecker, 30 (*Fla.*, St. Marks); Red-bellied Woodpecker, 122 (*Mo.*, Weldon Springs); Golden-fronted Woodpecker, 58 (*Tex.*, Santa Ana); Gila Woodpecker, 228 (*Ariz.*, Santa Catalina Mts.); Red-headed Woodpecker, 187 (*Ark.*, St. Charles); Acorn Woodpecker, 300 (*Calif.*, Red Bluff); Lewis's Woodpecker, 122 (*Calif.*, Red Bluff); Yellow-bellied Sapsucker, 45 (*S. C.*, Charleston); Williamson's Sapsucker, 2 (*Ariz.*, Santa Catalina Mts.); Hairy Woodpecker, 89 (*Conn.*, Westport); Downy Woodpecker, 342 (*Ohio*, Cincinnati); Ladder-backed Woodpecker, 69 (*Tex.*, Santa Ana); Nuttall's Woodpecker, 29 (*Calif.*, Sacramento); Arizona Woodpecker, 2 (*Ariz.*, Santa Catalina Mts.); Red-cockaded Woodpecker, 10 (*Ala.*, Birmingham); White-headed Woodpecker, 12 (*Calif.*, Redlands); Arctic Woodpecker, 1 (*Me.*, Webster Corner); Three-toed Woodpecker, 2 (*Colo.*, Idaho Springs).

Rose-throated Becard, 1 (*Tex.*, Santa Ana); Eastern Kingbird, 1 (*Fla.*, Titusville); Tropical Kingbird, 10 (*Tex.*, Santa Ana); Western Kingbird, 2 (*Fla.*, Key West; *Calif.*, Oceanside); Cassin's Kingbird, 7 (*Calif.*, Escondido); Scissor-tailed Flycatcher, 1 (*Fla.*, Key West); Derby Flycatcher, 43 (*Tex.*, Santa Ana); Crested Flycatcher, 31 (*Fla.*, Monroe); Mexican Crested Flycatcher, 1 (*Tex.*, Santa Ana); Ash-throated Flycatcher, 7 (*Ariz.*, Sierra Pinta); Eastern Phoebe, 165 (*Fla.*, Cocoa); Black Phoebe, 109 (*Calif.*, Los Angeles); Say's Phoebe, 25 (*Tex.*, Laguna Atascosa); empidonax flycatcher (sp.), 2 (*Fla.*, Myakka); Eastern Wood Pewee, 1 (*Ark.*, Little Rock); Western Wood Pewee, 1 (*Calif.*, Los Angeles); Vermilion Flycatcher, 28 (*Tex.*, Laguna Atascosa); Beardless Flycatcher, 2 (*Tex.*, Santa Ana); Horned Lark, 4000 (*Calif.*, Salton Sea); Violet-green Swallow, 110 (*Calif.*, Escondido); Tree Swallow, 15,760 (*Fla.*, Myakka); Rough-winged Swallow, 110 (*La.*, New Orleans); Barn Swallow, 5 (*Fla.*, Lower Keys); Purple Martin, 1 (*Fla.*, Cocoa).

Gray Jay, 20 (*Ont.*, Port Arthur); Blue Jay, 557 (*Conn.*, Westport); Steller's Jay, 275 (*Colo.*, Colorado Springs); Scrub Jay, 486 (*Calif.*, Los Angeles); Arizona Jay, 44 (*Ariz.*, Santa Catalina Mts.); Green Jay, 63 (*Tex.*, Santa Ana); Am. Magpie, 384 (*Colo.*, Jefferson Co.); Yellow-billed Magpie, 1585 (*Calif.*, Sacramento); Common Raven 100 (*Ont.*, Port Arthur); White-necked Raven, 2 (*Tex.*, Big Spring); Am. Crow, 35,000 (*Ohio*, Youngstown); Northwestern Crow, 400 (*Wash.*, Orcas); Fish Crow, 802 (*N. J.*, Northwestern Gloucester Co.); Piñon Jay, 200 (*S. Dak.*, Rapid City); Clark's Nutcracker, 30 (*Colo.*, Jefferson Co.).

Black-capped Chickadee, 1131 (*Conn.*, Westport); Carolina Chickadee, 944 (*Ohio*, Cincinnati); Mountain Chickadee, 195 (*Calif.*, Redlands); Brown-capped Chickadee, 5 (*Ont.*, Port Arthur); Chestnut-backed Chickadee, 272 (*Calif.*, Oakland); Tufted Titmouse, 696 (*Ohio*, Cincinnati); Black-crested Titmouse, 56 (*Tex.*, Austin); Plain Titmouse, 131 (*Calif.*, Oakland); Bridled Titmouse, 3 (*Ariz.*, Santa Catalina Mts.); Verdin, 77 (*Ariz.*, Santa Catalina Mts.); Common Bushtit, 862 (*Calif.*, Pasadena); White-breasted Nuthatch, 274 (*Conn.*, Westport); Red-breasted Nuthatch, 55 (*N. Y.*, So. Nassau Co.); Brown-headed Nuthatch, 130 (*Md.*, St. Michaels); Pygmy Nuthatch, 351 (*Wash.*, Spokane); Brown Creeper, 56 (*Ohio*, Buckeye Lake).

Wren-tit, 204 (*Calif.*, Los Angeles); Am. Dipper, 21 (*Colo.*, Lyons); House Wren, 71 (*Fla.*, Cocoa); Winter Wren, 56 (*Md.*, Ocean City); Bewick's Wren, 70 (*Calif.*, Los Angeles); Carolina Wren, 231 (*Ohio*, Cincinnati); Cactus Wren, 41 (*Ariz.*, Santa Catalina Mts.); Long-billed Marsh Wren, 64 (*Fla.*, Cocoa); Short-billed Marsh Wren, 37 (*Fla.*, Cocoa); Cañon Wren, 15 (*Colo.*, Jefferson Co.); Rock Wren, 25 (*Ariz.*, Santa Catalina Mts.); Mockingbird, 467 (*Tex.*, Laguna Atascosa); Catbird, 109 (*Fla.*, Cocoa); Brown Thrasher, 146 (*Tex.*, Houston); Long-billed (Sennett's) Thrasher, 28 (*Tex.*, Santa Ana); Bendire's Thrasher, 30 (*Ariz.*, Phoenix); Curve-billed Thrasher, 92 (*Ariz.*, Santa Catalina Mts.); California Thrasher, 146 (*Calif.*, Los Angeles); Leconte's Thrasher, 2 (*Ariz.*, Sierra Pinta); Crissal Thrasher, 5 (*Calif.*, Salton Sea); Sage Thrasher, 3 (*Tex.*, Laguna Atascosa; *Ariz.*, Phoenix).

Am. Robin, 31,561 (*Oreg.*, Portland); Varied Thrush, 503 (*Oreg.*, Portland); Wood Thrush, 1 (*Tex.*, Houston); Hermit Thrush, 130 (*Md.*, Ocean City); Olive-backed Thrush, 1 (*Md.*, Ocean City; *D. C.*, Washington; *Tex.*, Santa Ana); Gray-cheeked Thrush, 1 (*N. J.*, Moorestown; *Tex.*, Houston); Eastern Bluebird, 360 (*Fla.*, Tallahassee); Western Bluebird, 163 (*Calif.*, Oceanside); Mountain Bluebird, 800 (*Calif.*, Salton Sea); Townsend's Solitaire, 52 (*Colo.*, Jefferson Co.); Blue-gray Gnatcatcher, 437 (*Fla.*, Monroe); Black-tailed Gnatcatcher, 14 (*Calif.*, Salton Sea); Golden-crowned Kinglet, 259 (*Calif.*, Yosemite); Ruby-crowned Kinglet, 166 (*Fla.*, St. Marks); Water Pipit, 3000 (*Calif.*, Salton Sea); Sprague's Pipit, 50 (*Tex.*, Eagle Pass); Bohemian Waxwing, 2656 (*Wash.*, Spokane); Cedar Waxwing, 1496 (*Tex.*, Austin); Phainopepla, 27 (*Ariz.*, Santa Catalina Mts.); Gray Shrike, 12 (*Utah*, Salt Lake City); Loggerhead Shrike, 214 (*Tex.*, Laguna Atascosa); Common Starling, 700,000 (*Pa.*, Lititz).

White-eyed Vireo, 37 (*Fla.*, Monroe); Hutton's Vireo, 10 (*Calif.*, Oakland); Gray Vireo, 2 (*Ariz.*, Sierra Pinta); Yellow-throated Vireo, 1 (*Tex.*, Santa Ana); Solitary Vireo, 8 (*Fla.*, Sarasota and Coot Bay; *Ariz.*, Santa Catalina Mts.); Yellow-green Vireo,

1 (*Tex.*, Laguna Atascosa); Philadelphia Vireo, 1 (*Tex.*, Santa Ana); Black and White Warbler, 23 (*Fla.*, Monroe); Blue-winged Warbler, 1 (*Fla.*, Coot Bay); Tennessee Warbler, 1 (*Tex.*, Laguna Atascosa); Orange-crowned Warbler, 42 (*Fla.*, Cocoa); Nashville Warbler, 11 (*Tex.*, Santa Ana); Parula Warbler, 11 (*Fla.*, Coot Bay); Olive Warbler, 1 (*Ariz.*, Santa Catalina Mts.); Magnolia Warbler, 1 (*S. C.*, Charleston); Black-throated Blue Warbler, 1 (*N. C.*, Greensboro); Myrtle Warbler, 4941 (*N. J.*, Oceanville); Audubon's Warbler, 2404 (*Calif.*, Orange Co.); Black-throated Gray Warbler, 6 (*Ariz.*, Santa Catalina Mts.); Townsend's Warbler, 25 (*Calif.*, Monterey); Black-throated Green Warbler, 2 (*Tex.*, Santa Ana); Hermit Warbler, 1 (*Calif.*, Los Angeles); Blackburnian Warbler, 1 (*Fla.*, Titusville; *Tex.*, Santa Ana); Yellow-throated Warbler, 15 (*Fla.*, Lower Keys); Pine Warbler, 1000 (*La.*, New Orleans); Prairie Warbler, 28 (*Fla.*, Lower Keys); Palm Warbler, 712 (*Fla.*, Cocoa); Oven-bird, 1 (*Fla.*, Coot Bay, St. Petersburg, Jacksonville, Cocoa, Monroe and Loxahatchee); Northern Water-thrush, 6 (*Fla.*, Coot Bay); Louisiana Water-thrush, 3 (*Fla.*, Lower Keys); Mourning Warbler, 1 (*Tex.*, Santa Ana); Common Yellowthroat, 399 (*Fla.*, Monroe); Yellow-breasted Chat, 2 (*N. J.*, Cape May; *Conn.*, New London); Black-capped Warbler, 5 (*Calif.*, Pasadena); Am. Redstart, 14 (*Fla.*, Monroe).

House Sparrow, 11,040 (*N. Y.*, Brooklyn); European Tree Sparrow, 46 (*Ill.*, East St. Louis); Eastern Meadowlark, 4167 (*Md.*, Ocean City); Western Meadowlark, 3141 (*Calif.*, Sacramento); Yellow-headed Blackbird, 47,564 (*Ariz.*, Phoenix); Red-winged Blackbird, 4,000,000 (*Va.*, Norfolk Co.; *Tenn.*, Reelfoot); Tricolored Blackbird, 300 (*Calif.*, Crystal Springs); Audubon's Oriole, 3 (*Tex.*, Santa Ana); Hooded Oriole, 2 (*Tex.*, Santa Ana); Baltimore Oriole, 5 (*Fla.*, Key West); Bullock's Oriole, 1 (*La.*, Sabine; *Tex.*, El Paso); Rusty Blackbird, 10,400 (*Ga.*, Rome); Brewer's Blackbird, 12,000 (*N. Mex.*, Roswell); Boat-tailed Grackle, 7824 (*Tex.*, Laguna Atascosa); Purple Grackle, 4,000,000 (*Va.*, Norfolk Co.); Brown-headed Cowbird, 100,000 (*Va.*, Norfolk Co.); Bronzed Cowbird, 26 (*Tex.*, Laguna Atascosa); Western Tanager, 1 (*Fla.*, Pensacola; *Utah*, Salt Lake City); Scarlet Tanager, 1 (*Pa.*, Lewisburg).

Cardinal, 1361 (*Ohio*, Cincinnati); Pyrrhuloxia, 69 (*Tex.*, Alice); Indigo Bunting, 1 (*Fla.*, Key West); Lazuli Bunting, 5 (*Ariz.*, Phoenix); Painted Bunting, 23 (*Fla.*, Key West); Dickcissel, 2 (*Conn.*, Hartford; *Mass.*, Cape Cod); Evening Grosbeak, 945 (*Mass.*, Northampton); Purple Finch, 224 (*D. C.*, Washington); Cassin's Finch, 281 (*Colo.*, Colorado Springs); House Finch, 3950 (*Calif.*, Los Angeles); Sharpe's Seedeater, 16 (*Tex.*, Santa Ana); Pine Grosbeak, 118 (*Sask.*, Saskatoon); Gray-crowned Rosy Finch, 1206 (*Wyo.*, Casper); Black Rosy Finch, 195 (*Utah*, Salt Lake City); Hoary Redpoll, 5 (*Wis.*, Adams and Madison); Common Redpoll, 2857 (*Wis.*, Adams); Pine Siskin, 1250 (*Calif.*, Oakland); Am. Goldfinch, 3000 (*Tex.*, Rockport); Lesser Goldfinch, 825 (*Calif.*, Sacramento); Lawrence's Goldfinch, 142 (*Calif.*, Hemet); Red Crossbill, 65 (*Me.*, Webster Corner); White-winged Crossbill, 237 (*Ont.*, Kingston).

Texas Sparrow, 9 (*Tex.*, Laguna Atascosa and Santa Ana); Green-tailed Towhee, 14 (*Ariz.*, Santa Catalina Mts.); Eastern Towhee, 282 (*Fla.*, St. Marks); Brown Towhee, 573 (*Calif.*, Los Angeles); Abert's Towhee, 38 (*Ariz.*, Phoenix); Lark Bunting, 407 (*Tex.*, Midland); Ipswich Sparrow, 6 (*N. J.*, Cape May and Barnegat); Savannah Sparrow, 1460 (*Calif.*, Sacramento); Grasshopper Sparrow, 10 (*Ky.*, Henderson; *Tex.*, Laguna Atascosa); Baird's Sparrow, 15 (*Tex.*, El Paso); Leconte's Sparrow, 56 (*La.*, Shreveport); Henslow's Sparrow, 3 (*N. C.*, Wilmington); Sharp-tailed Sparrow, 28 (*La.*, Sabine); Seaside Sparrow, 162 (*La.*, Sabine); Vesper Sparrow, 142 (*Fla.*, St. Marks); Lark Sparrow, 339 (*Calif.*, Orange Co.); Rufous-crowned Sparrow, 30 (*Ariz.*, Santa Catalina Mts.); Pine-woods Sparrow, 13 (*Fla.*, Cocoa); Cassin's Sparrow, 2 (*Tex.*, Laguna Atascosa); Black-throated Sparrow, 43 (*Tex.*, Alice); Sage Sparrow, 16 (*Ariz.*, Imperial); White-winged Junco, 98 (*S. Dak.*, Rapid City); Slate-colored Junco 2960 (*N. J.*, Northwestern Gloucester Co.); Oregon Junco, 2533 (*Oreg.*, Portland); Gray-headed Junco, 270 (*Colo.*, Jefferson Co.); Arizona Junco, 53 (*Ariz.*, Santa Catalina Mts.); Am. Tree Sparrow, 2169 (*Pa.*, Glenolden); Chipping Sparrow, 164 (*S. C.*, Columbia; *Fla.*, Cocoa); Clay-colored Sparrow, 26 (*Tex.*, Laguna Atascosa); Brewer's Sparrow, 82 (*Ariz.*, Phoenix); Field Sparrow, 636 (*N. J.*, Cape May); Black-chinned Sparrow, 14 (*Ariz.*, Santa Catalina Mts.); Harris's Sparrow, 303 (*Okla.*, Oklahoma City); White-crowned Sparrow, 6613 (*Calif.*, Sacramento); Golden-crowned Sparrow, 1101 (*Calif.*, Sacramento); White-throated Sparrow, 5154 (*Md.*, Ocean City); Fox Sparrow, 107 (*Md.*, Ocean City); Lincoln's Sparrow, 54 (*Tex.*, Laguna Atascosa); Swamp Sparrow, 1056 (*Md.*, So. Dorchester Co.); Song Sparrow, 913 (*Pa.*, Glenolden); McCown's Longspur, 108 (*Kans.*, Wichita); Lapland Longspur, 6190 (*Ark.*, Lonoke); Smith's Longspur, 57 (*Ark.*, Fort Smith); Chestnut-collared Longspur, 75 (*Okla.*, Wichita Mountains); Snow Bunting, 792 (*Sask.*, Saskatoon).

CORRIGENDA FOR VOLUME 9

Vol. 9, p. 224, col. 2, 1.6 from bottom, (count for Pasadena, Calif.), change "Yellow-throated Warbler" to "Common Yellowthroat."

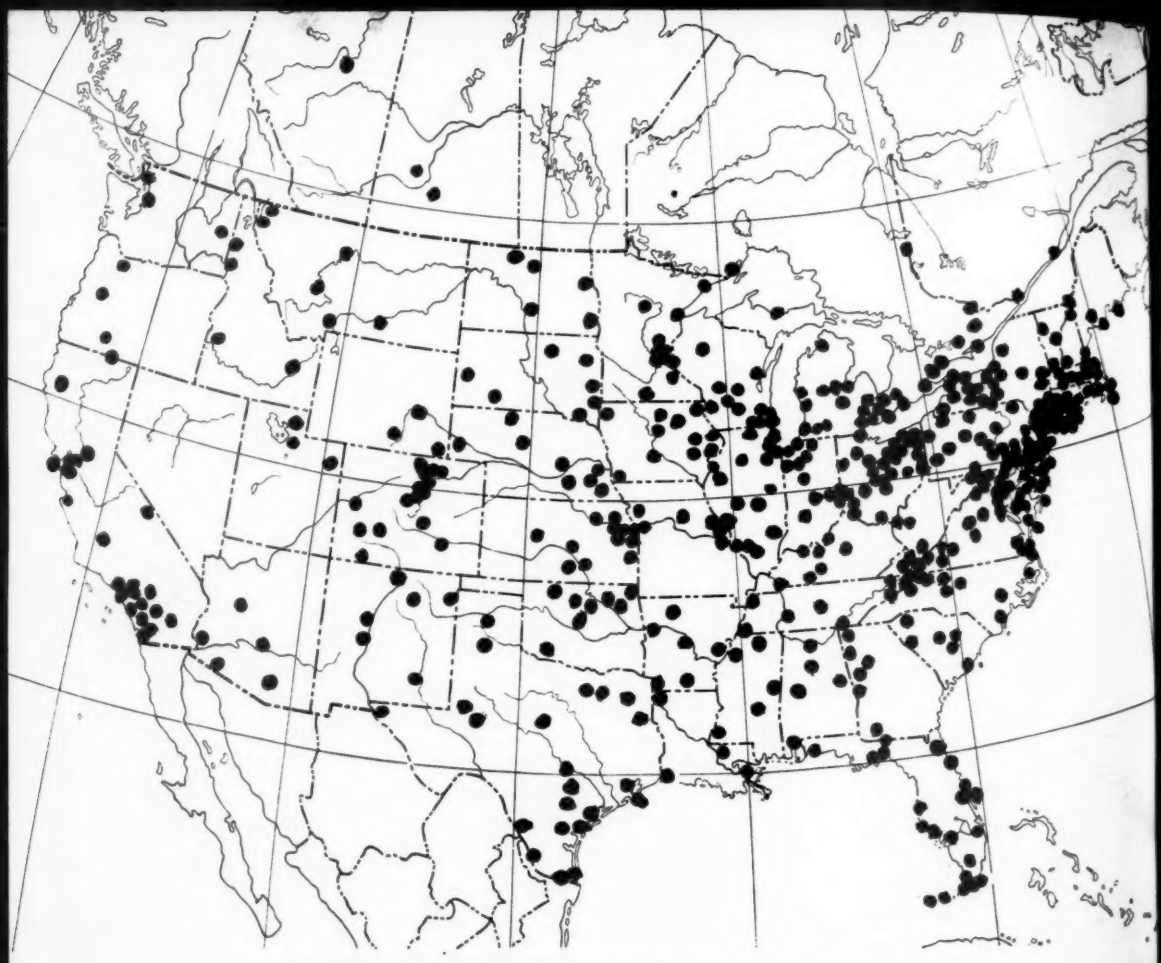
Vol. 9, p. 228, col. 1, 1.20 from bottom (count for San Diego, Calif.) insert "Fulmar, 1;" after "Pied-billed Grebe, 74;".

Vol. 9, p. 231, col. 2, 1.2 of Summary, insert "Fulmar, 1; (*Calif.*, San Diego)" before "White."

Vol. 9, p. 232, col. 2, 1.26 from bottom, insert "Ruff, 1 (*Pa.*, Glenolden)" before "Sanderling, 1550."

Vol. 9, p. 234, col. 1, 1.30 from bottom, change "38" to "11".

Vol. 9, p. 234, col. 1, 1.29 from bottom, change "(*Calif.*, Pasadena)" to "(*Fla.*, Lower Keys)".



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